

The Cattleman

Fort Worth, Texas, May, 1957

VOLUME XLIII — NO. 12





YOUR BEST MARKET—to buy or sell

The Fort Worth livestock market serves both buyer and seller of livestock to equal advantage. The seller can consign all classes of livestock to Fort Worth with assurance that his shipment will be taken care of and properly handled. His consignment will be presented to a group of buyers in the market for all classes and the TOP DOLLAR on the day's market will be secured. Day in and day out—year in and year out—experienced producers know the Fort Worth market is the most CONVENIENT, DEPENDABLE and PROFITABLE place to sell livestock.

On the other hand, those who buy are equally well served through the wide variety and large numbers of livestock offered for sale during the average day's trading. For instance, the buyer of stocker cattle could drive hundreds of miles and spend several days searching the country over for cattle he can usually buy in a few minutes through any of the many competent commission firms that do business on the Fort Worth Stock Yards. The saving of time and money thus effected is the reason that buyers of all classes of livestock can look to Fort Worth to fill their needs. When in need of replacement stock, try the Fort Worth market.

MARK THESE DATES ON YOUR CALENDAR

The Texas Hereford and Angus Associations have scheduled a series of stocker-feeder sales on the Fort Worth Stock Yards. Hereford sales will be held May 10, June 7, July 19, August 16, September 13 and October 11. Angus sales will be held May 10, July 12 and September 6. Shippers are advised to contact their breed association or their commission merchant.

KEEP POSTED

Tune in for daily broadcasts: Special Market News and Information, WBAP, "570" 7:30 a. m., 12:15 p. m. WBAP, "820" 6:15 a. m., 9:35 a. m. and 1:50 p. m.

— *F*ort *W*orth *S*tockyards —

A division of United Stockyards Corporation

FORT WORTH, TEXAS



Vaccination is Important!

Don't neglect the immunizing of your calves. Blackleg and Malignant Edema are still deadly hazards. And preventive vaccination is still the only known protection.

So be SAFE! Give each animal an early shot of



FRANKLIN

CCS BACTERIN

(*Clostridium Chauvi-Septicus Bacterin*)

contains a full immunizing dose against Blackleg combined with a full immunizing dose against Malignant Edema.

The new, easy way to eliminate stomach worms in cattle is to sprinkle on the feed some



FRANKLIN

PHENOTHIAZINE PELLETS

These are palatable to the taste. They are a most convenient and inexpensive way of thoroughly purging your cattle of stomach worms. Ask for special descriptive leaflet.

Detailed data on Franklin products set forth in the complete Franklin Catalog free from local dealer or any Franklin Office.

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Stockmen Found a Friend In Franklin!

Old Timers can remember when many Western cattlemen would lose calves by the hundreds from Blackleg epidemics.

Then came a vaccine that stopped the losses.

Kansas Aggie had developed this vaccine, with Dr. O. M. Franklin in charge of the research project.

Stockmen put up the money to produce this new vaccine commercially so that all cattle owners might have it available for protecting their herds.

Out of this came the Franklin Company dedicated to producing the finest protective products for livestock that modern science is able to devise.

Forty years has brought many changes. But stockmen still own the company. Meanwhile the name FRANKLIN has become an institution known and respected across America and in many other cattle-producing areas of the world.

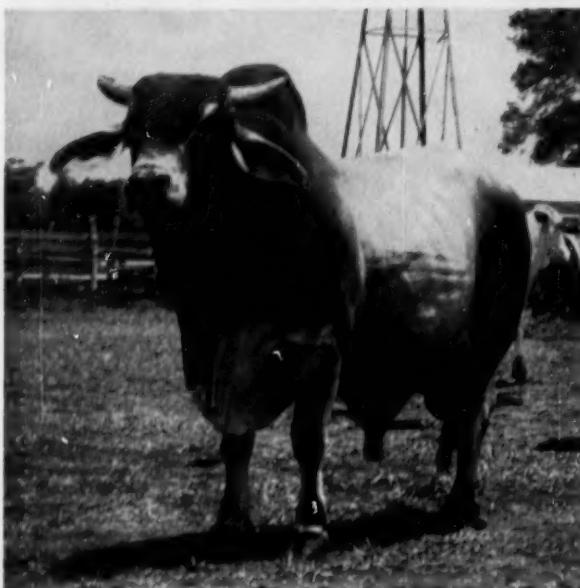
Franklin Dealers Render Valuable Service!



In thousands of communities where livestock is important, you'll find well-stocked, well-informed Franklin Drug Store Dealers. These Franklin products are conveniently accessible along with professional advice as to their proper use.

BRAHMANS

THE BLOOD OF MANSO CARRIES ON



IN 1957 (January-February-March)

AT:

**Fort Worth, Texas
San Antonio, Texas
Houston, Texas
Baton Rouge, Louisiana
Mercedes, Texas**

At these shows our Manso-bred Brahmans entered a grand total of 89 different classes. The following record speaks for itself.

**69 first places
16 second places
2 third places
1 fourth place
1 fifth place**

With Rare Exception, the Animals Placed Ahead of Ours at These Shows Were Strong In Manso Breeding.

YES, THE BLOOD OF MANSO CARRIES ON

J. D. HUDGINS

"Beef-Type Brahmans"

**HUNGERFORD,
TEXAS**

**WELCH,
OKLAHOMA**

The Cattlemen

VOL. XLIII

MAY, 1957

No. 12

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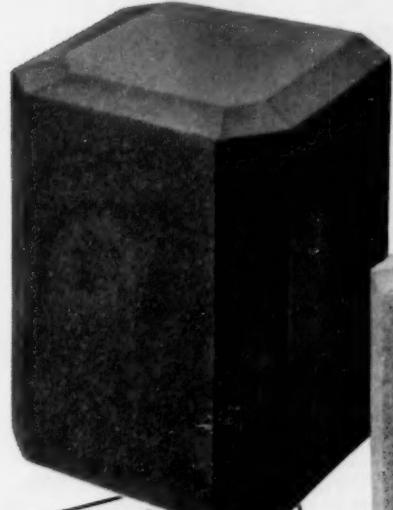
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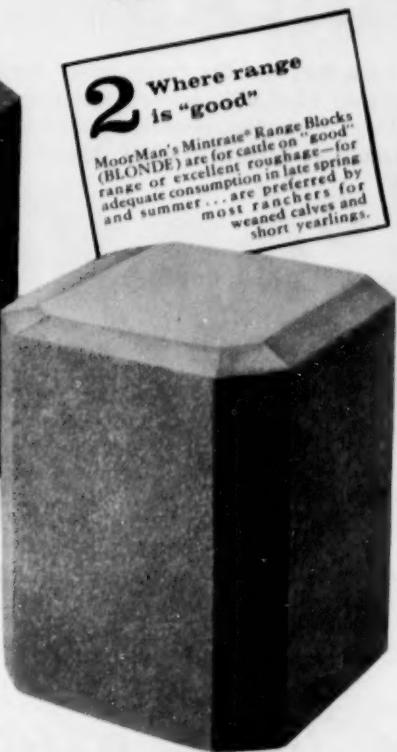
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MoorMan's gives you a choice of 3 protein blocks!

—each for a different range condition

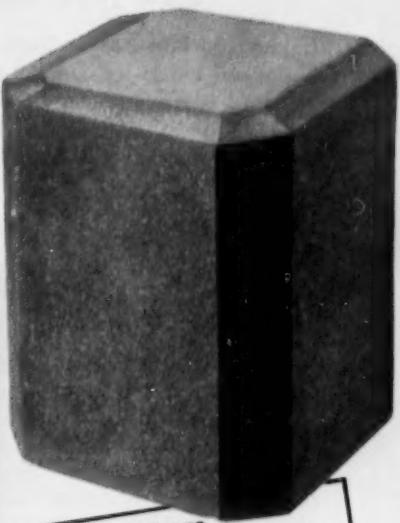


1 Where range is "average"
MoorMan's Mintrate® Range Blocks (RED) or Regular, are for use where quantity and quality of range are considered adequate, but not "lush" . . . are not fully consumed in recommended amounts during fall and winter seasons.



2 Where range is "good"

MoorMan's Mintrate® Range Blocks (BLONDE) are for cattle on "good" range or excellent roughage—for adequate consumption in late spring and summer . . . are preferred by most ranchers for weaned calves and short yearlings.



3 Where range is sparse or unpalatable

MoorMan's Mintrate Range Blocks (BRUNETTE) are for areas where mineral consumption has been high or forage sparse or unpalatable. Also for cattle with a tendency to consume more than a normal amount of the Red Block.



With free choice feeding, the consumption of any one protein block will vary as range conditions vary. That's why, after five years of research in western range areas, with thousands of cattle, MoorMan's, the original protein block, is made in three different formulas. Each has a different level of palatability. Each is designed to meet a specific need.

Each type contains just the right amounts of minerals, vitamins and proteins, and urea, range cattle need to help them turn more of the grass and forage they eat into beef

and to get maximum milk flow. All are available with or without Vitamin A.

Thousands of ranchers have found from experience—that by selecting the right type of block for their specific range conditions—they get good, economical gains.

Your MoorMan Man can tell you the right type of block or combination of blocks for your range. And he has advantageous prices on 50- to 200-ton orders or contracts for present and future feeding. Moorman Mfg. Co., Dept. B75, Quincy, Illinois.

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Since 1885—72 years of friendly service

Mintrate Range Blocks

—mineralized, vitaminized protein blocks with urea added to help cattle make faster, low-cost gains.

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KINLOCH DISPERSES! 700 HEAD

including 100 outstanding bulls from the "Quality Foundation" Herd. Representing an initial investment of over \$500,000. Made up of many of the most noted females of the breed and their descendants; headed by one of the breed's greatest herd bull batteries: KINLOCHMERE 23d, KINLOCHMERE 88th and BLACK KNIGHT 98th of A. V.

JUNE 6th, 7th and 8th

Every effort will be made to sell as much of the herd as possible the first two days.

Come and select strength for your breeding program, from the herd that has produced two of North America's greatest Champions, Kinlochmere 23d, International Junior Champion, and Kinlochmere 88th, Canadian Royal Grand Champion, as well as Kinlochmere 9851st, International First Prize Winning son of the \$50,000 Black Knight 98th of A. V.

This herd in addition has produced innumerable champions and winners at other major shows of the nation.

Buy from the herd that has produced cash sales of \$1,167,288.00 worth of cattle; from the herd that has had six production sales in which 273½ lots have been sold to average \$2021.

Buy from the herd from which leading breeders from 22 states and Canada have selected "Quality Foundation" stock.

Why This Decision?

My business in Washington has been requiring more and more of my time so that I have not been able to give Kinloch the personal attention that I feel is a must. There is an obligation with a herd of this size and quality to give it and its program one's complete and undivided attention. I do not like to do things by halves.

Our decision is also influenced by the fact that our son David, after 4 years in the air force, is back in college and still has a year and a half before he will complete his training in animal husbandry and be able to carry his share of the responsibility here at Kinloch.

A further and important consideration has been the obligation to set in order the affairs of three trusts that we established years ago, one for each of our children. Each of these trusts owns 18 females representing the average production of the herd. This group is available for inspection at any time. In addition we have transferred to the children's trusts our interest in Kinlochmere 99th owned jointly with Angus Manor Farms, Petersburg, Ontario, and Kinlochian 2304th owned jointly with Kinghaven Farms, King, Ontario.

We have also transferred to the children's trusts a one-third interest in each of our three herd bulls, as we wish for them to continue to have the benefit of what is

recognized as being one of the strongest herd bull batteries in America. We are offering a two-thirds interest in each of these three bulls, together with complete possession, the buyer occasionally and at his convenience, to permit us to collect and freeze semen at our expense.

These animals owned by the children's trusts will form the nucleus of the Kinloch herd that we will plan to rebuild after this necessary recess. **Absolutely every other animal remaining in the Kinloch herd sells.**

Our herd is fully certified and accredited and completely sound with no health problems of any kind. This is a guaranteed dispersion.

MR. and MRS. LEE D. BUTLER, Owners
26 Miles South of Fredericksburg on
Route 17
SUPPLY, VIRGINIA

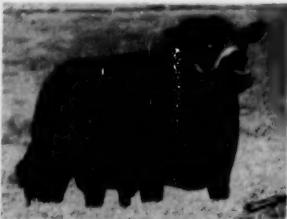
Lee D. Butler

KINLOCH FARM

The "Quality Foundation Herd"

Home of
Kinloch-Bonded Bulls
and
Quality Foundation Herd Units

A GROUP OF THE 100 MAGNIFICENT YOUNG BULLS SELLING



KINLOCHIAN 2341

A senior yearling show bull by the "23d". His grandam came from Tolians originally at the top of one of their sales; her sire the International Grand Champion, Eileenmere 85th.



KINLOCHIAN 2348

A very short aged senior yearling by the "23d" out of a daughter of Glencarnock Eric of Cremona. A great headed bull with lots of bone and ruggedness.



KINLOCHIAN 2342

Note the type and quality of all these sons of the "23d". This one is out of a Caldwell Elaine cow, who is rich in the blood of Bandolier of Anoka.



KINLOCHIAN 8852

A perfect bodied, great qualified son of the "88th", out of the herd bull producing Juana family.



KINLOCHIAN 9860

A junior yearling show son of our \$50,000 sire out of a full sister of the "23d".



KINLOCHIAN 8862

A great headed bull that will really fill your eye when you see him; out of one of the five or six best producing cows at Kinloch, a Harley Edella daughter of Glencarnock Eric of Cremona.



KINLOCHIAN 8861

Another bull of show character and quality by the "88th" out of a great producing Primrose cow. Her son brought \$5100 in Kinloch's last production sale.



KINLOCHIAN 9881

Another top junior yearling show prospect by our \$50,000 sire, out of one of the famous Kindness Pride cows, daughter of Queen's Grenadier G. R. His grandam is a daughter of Bandolier of Anoka 10th.

A FEW OF THE 100 EXCELLENT BULLS SELLING—BULLS FOR THE BREEDER, READY FOR SERVICE; BULLS FOR THE SHOWMAN, WHO WANTS TO DO SOME CAMPAIGNING; BULLS FOR THE FARMER AND RANCHER.

The greatest group of daughters of Queen's Grenadier G. R. ever offered in one auction—26 of them! Other famous sires represented are: Eileenmere 1050th, Eileenmere 500th, the \$25,000 Blackbird Bardolier G. R., Glencarnock Eric of Cremona—11 of his daughters sell! Bandolier of Anoka 6th, Bardoliermere 10th, Eva's Bandolier Lad, Homeplace Eileenmere 500th, Eileen-

mere 260th, Prince Bandolier 7th, Prince of Rowley, Bandolier of Anoka 16th, Ankony Barca, Eileenmere of Don Head, Pontonier of Winton, Epponian 6th of Broadview, Wintonier 4th, Eileenmere 1032d, Bandolier of Anoka 10th, Tolan Bandolier, Homeplace Eileenmere 687th, and many other noted sires.

Write the Sale Manager immediately requesting that your name be put on the list for a copy of the catalog. It will be a valuable reference book of the Angus breed for years to come.

Trains and Planes will be met on request, at Washington, D. C. or Richmond, Virginia.

Rooms available at excellent motels near the farm, or at hotels in Fredericksburg, Virginia. For reservations contact the Sale Manager.

AUCTIONEERS: Ray Johnston, Hamilton James, Paul Good, Ray Sims and Stan Haworth.

Tom Adams for The Cattleman

SALE MANAGER:

Dave Canning, Canning Land and Cattle Co.
P. O. Box 1115, Staunton, Virginia
Phones 6-0811 and 5-8678

MR. AND MRS. LEE D. BUTLER, Owners

26 Miles South of Fredericksburg on Route 17
Phone: Tappahannock-Hillcrest 3-2040

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Now—a more convenient form of your dependable treatment

The new SULMET Sulfamethazine Soluble Powder dissolves rapidly and uniformly in the drinking water. It gives you a new easy-to-store, easy-to-use form of the fast-acting SULMET that you have depended on for immediate action over the years.

Now you can keep a supply of SULMET on hand at all times for emergency use—to treat one animal or an entire herd and all with the same ease and assurance.

SULMET gives you longer, stronger action; provides effective blood levels of sulfamethazine; it is powerful but easy on the animal; costs less per treatment and you give lower dosages at less frequent intervals—frequently one dose is sufficient!

P.S. SULMET Sulfamethazine Drinking Water Solution is also available.

Get SULMET in either form from your veterinarian, druggist or feed dealer. For free literature, write to American Cyanamid Company, Farm and Home Division, 30 Rockefeller Plaza, New York 20, N. Y.



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Pneumonia, Calf Scours,
Shipping Fever, Foot Rot, Metritis,
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SULMET® SULFAMETHAZINE *Powerful, gentle, longer acting*
Soluble Powder





Of things that concern cattle raisers

The Cattleman Cover CHAMPIONS

Color Transparency by ROGER B. LETZ

WHEN we saw two Brahman heifers from the same herd capture the champion and reserve champion ribbons at the Houston Fat Stock Show last February we immediately decided that here was a cover picture. The two attractive young ladies at the halter did not detract any from our decision.

We prevailed on Jack Garrett, owner of the heifers and father of the girls, to permit us to photograph them. Mrs. Garrett also graciously gave her consent. As you can readily see, the girls and the heifers cooperated splendidly when we sent our photographer, Roger B. Letz, to the Garrett Ranch near Danbury, Texas, to take the color transparency. The girls are Susan and Klinka and are typical ranch girls who enjoy working with the Brahman cattle on their father's ranch.

Their brother Jacko showed the champion and reserve champion Brahman heifers in the junior breeding beef division at the same show. He was ably assisted by his eleven-year-old brother Bob, so the whole Brahman breeding enterprise is a family affair.

The Brahman heifer on the left, held by Susan, is JTG Miss Resoto Manso, Jr. and was champion of the show. The other, held by Klinka, is JTG Miss Typey Manso and was reserve champion. These two top winners are typical of the many good Brahmans being produced by members of the American Brahman Breeders Association and were selected for their excellency of type, breeding and conformation.

TSCRA Activities

Directors to Meet in Austin

THE regular quarterly meeting of the board of directors of the Texas and Southwestern Cattle Raisers Association will be held in Austin June 22, according to an announcement by John Biggs, Association president. The meeting will start promptly at 9:00 A. M. in the Driskill Hotel.

This is the first time for many years that the directors have held a meeting in Austin and it is being held there so that those members in that area may have an opportunity to sit in with the directors in

their quarterly meeting. Biggs invites all members and any one else interested in the livestock industry to attend the meeting.

This is the first directors' meeting that has been held since the convention and many important matters which have developed since that time will be discussed and reported on by the various officers and committee members.

Those planning to attend should make reservations at the Driskill Hotel as early as possible.

New Inspectors Committee Appointed

President John Biggs has announced that the Executive Committee of the Texas and Southwestern Cattle Raisers Association has created a committee to be known as the Inspectors' Committee. It was the opinion of all present that there has long been a need for closer co-ordination between directors, members, and our inspectors, hence the forming of this committee. Retirement plans, possible redistricting of areas currently served by our inspectors, more efficient coverage of designated areas along with other general problems of the association inspectors are a few of the considerations to come before this committee. It was specifically designated that the activities of this committee would be closely co-ordinated with Secretary-Manager Charles A. Stewart and Assistant Manager Charlie Hodges, who is in charge of inspectors.

Edgar Hudgins, Hungerford, has been appointed chairman. Other members are Roy Parks, Midland; Jack Roach, Amarillo; Norman Moser, Dekalb; F. B. Pyle, Sanderson; Jack Love, Llano and Warren Moore, Alvin.

Blizzard

TSCRA field inspectors in the Panhandle again demonstrated their value to the livestock industry during the blizzard which struck the latter part of March. They immediately went into action locating lost, strayed and dead cattle and establishing ownership. The Association brand records are relied upon to locate the owners of strays which will be showing up on the markets and in hands other than the owners' for many months. The Association also immediately contacted the government authorities in Washington and was assured all possible assistance would be given cattlemen who suffered losses.

Transportation Tax

An active campaign is being carried on to repeal the tax of 3 per cent on freight charges and 10 per cent on passenger fares. This tax, which was levied in

COMBAT

BLACKLEG

MALIGNANT EDEMA

HEMORRHAGIC SEPTICEMIA

**WITH THESE
FOUR RELIABLE****GLOBE**
Products**① Clostridium Chauvei-Septicus Pasteurella Bacterin**

The "Triple Bacterin" — one-shot bacterin against Blackleg, Malignant Edema and Hemorrhagic Septicemia. Each 10-cc. injection contains a full immunizing dose of all three components. Available in: 5 dose, 10 dose, 25 dose, 50 dose.

② Clostridium Chauvei-Septicus Bacterin

The "Gold Label" Bacterin — widely used in many sections of the country for both Blackleg and Malignant Edema. May be used to vaccinate cattle of any age, using 5-cc. dose.

**③ Blackleg Bacterin, Whole Culture (Alum Treated)**

To protect healthy herds, where there is no Blackleg infection in the community, vaccinate calves with this "sterling quality bacterin in the silver box." One 5-cc. dose for calves of any age gives long-lasting protection.

④ Blackleg Bacterin, Whole Culture

For quick protection where Blackleg infection is present in the herd. It offers rapid absorption and faster immunity, thereby saving many animals, when the danger is greatest. Dose: 5-cc. for animals of any age.


GLOBE
LABORATORIES

FORT WORTH, TEXAS

Kansas City Denver Little Rock Memphis
Artesia, Calif. Sioux City, Iowa Calgary, Can.

World War II as an emergency measure is not only hurting the railroads but adding thousands of dollars to livestock shippers' transportation costs, not only by rail but also by truck.

Saddle Thief Sentenced

Arthur Lee Stewart drew a sentence of five years in the penitentiary on April 16 on a plea of guilty to the theft of two saddles belonging to Alvin Strother of Brazoria. The plea was entered before District Judge John C. Patterson and the state was represented by District Attorney Sam Lee. The case was investigated by Deputy Sheriffs Lester Livesay and Robert Goode and Texas and Southwestern Cattle Raisers Inspector Leonard Stiles.

Beef Slogan Contest

HOW would you describe the goodness, the taste, the healthfulness of Beef?

Could you do it in five words?

Then you can be the winner in the beef slogan contest being sponsored by the Junior American National Cattlemen's Association.

The contest is simple: Five words or less, one slogan to a postcard, mailed before midnight, July 1, to Dale Robinson, contest chairman, Ralph, S. Dak. Be sure to add your name and address to the postcard entries.

No entry fee, nothing to buy. Anyone can enter.

The winner will receive an outstanding feeder calf from a noted Wyoming herd, or the cash equivalent at weaning time.

The beef slogan contest is a new activity of the Junior Cattlemen and slogans will be used in the beef promotion campaign. So entrants are helping to sell more beef, besides having the chance of winning the calf or cash.

Robinson, who is also the Junior Cattlemen's president, said that several hundred entries have already been received with nearly every state represented.

Pasture Leasing Fairly Active

But Spring Movement Into Kansas and Oklahoma is expected to be smaller than last season

LEASING of bluestem pasture has been fairly active this spring with 75 per cent of the available acreage under lease by April 1, according to the U. S. Agricultural Marketing Service and the Kansas State Board of Agriculture. This compares with 81 per cent under lease a year ago at this time and the 10-year (1946-55) average of 82 per cent leased by April 1. The shortage of pond water up to late March had caused pasture owners to be slow in leasing pasture acreage. However, recent heavy rains have been sufficient for good runoff and ponds are

Rather
slowly

OH, BEEFMASTERS THRIVE ON A DRY PRAIRIE

REFRAIN:

1. Oh, Beef-mas-ters thrive on a dry prair-ie, The sun a
 2. And in the late fall, when the sage is grey, They head down

D-7

C

G

1. burn - ing can - o - py In win - ter their coats, glist'n - ing with
 2. trail the mar - ket way, Beef-mas-ters will have fin - ish and

D-7

C

G

1. ice — The Beef-mas - ters think — it a par - a - dise,
 2. yield — To re - main the tops in an - y field.

THE AMERICAN BREED

Lasater BEEFMASTER

"More Beef for Less Money since 1908."

REG. U.S. PAT. OFF.
FOREIGN PAT. PEND.

Ranch: MATHESON, COLORADO

Mailing address: THE LASATER RANCH, FALFURRIAS, TEXAS



MARKET YOUR HEREFORD STOCKERS AND FEEDERS

SELL

When large numbers of good quality cattle attract additional buyers.

BUY

When large numbers of good quality cattle afford ample selection on one day at one place.

**NEXT SALE AT
FORT WORTH**

**MAY
10th**

Other sales at Fort Worth are scheduled

June 7 July 19 August 16
September 13 October 11

These sales are at the Fort Worth Stockyards on Fridays. Stockers and feeders show for awards in all sales.

SAN ANTONIO SALES

July 11 September 5 October 24

All sales are at the Union Stockyards, on Thursdays. Write Carlton Hagelstein, Box 800, San Antonio, Texas.

ALL SALES SPONSORED BY THE TEXAS HEREFORD
ASSOCIATION IN COOPERATION WITH
COMMISSION COMPANIES AND STOCKYARDS
COMPANIES OF FORT WORTH AND
SAN ANTONIO

for additional information write your commission Co. or

TEXAS HEREFORD ASSOCIATION

Henry Elder, Manager • 1105 Burk Burnett Bldg.
FORT WORTH, TEXAS

returning to more normal conditions. Some ranchers are planning on light grazing to permit recovery from the prolonged drouth. Up to April 1, few cattle had moved into the area and increased inshipments are not expected until late April. The number of cattle moving into the area is expected to be below last year.

Prospects for early grazing are fair to good. Most sections of the Flint Hills have been greatly helped by recent rains. Topsoil moisture is adequate and the subsoil has benefitted. However, more rain will be needed as the season progresses. Many pastures were closely grazed last year and very little old grass remains. The condition of pasture feed on April 1 was reported at 71 per cent—3 points above April 1 a year earlier.

Per head lease prices are slightly below last year for all classes of cattle. Most of the leases for aged steers were from \$18.00 to \$25.00 per head for the season with the average \$20.70. This compares with \$21.00 a year ago—\$21.20 two years ago and \$20.00 in 1954. The bulk of the leases for cows were from \$22.00 to \$30.00 and averaged \$26.00 which compares with \$26.40 last year—\$25.60 in 1955 and \$22.80 in 1954. Leases for young cattle ranged mostly from \$15.00 to \$20.00 and averaged \$16.40 compared with \$16.60 in 1956 and 1955 and \$15.60 in 1954.

Acreage guarantees are slightly higher than last year, and range from 4 to 8 for aged steers, 5 to 10 acres for cows and 3 to 5 acres for young cattle. Pastures leased on a per acre basis averaged \$3.80 this year compared with \$3.90 a year ago, \$4.00 two years ago and \$3.70 in 1954.

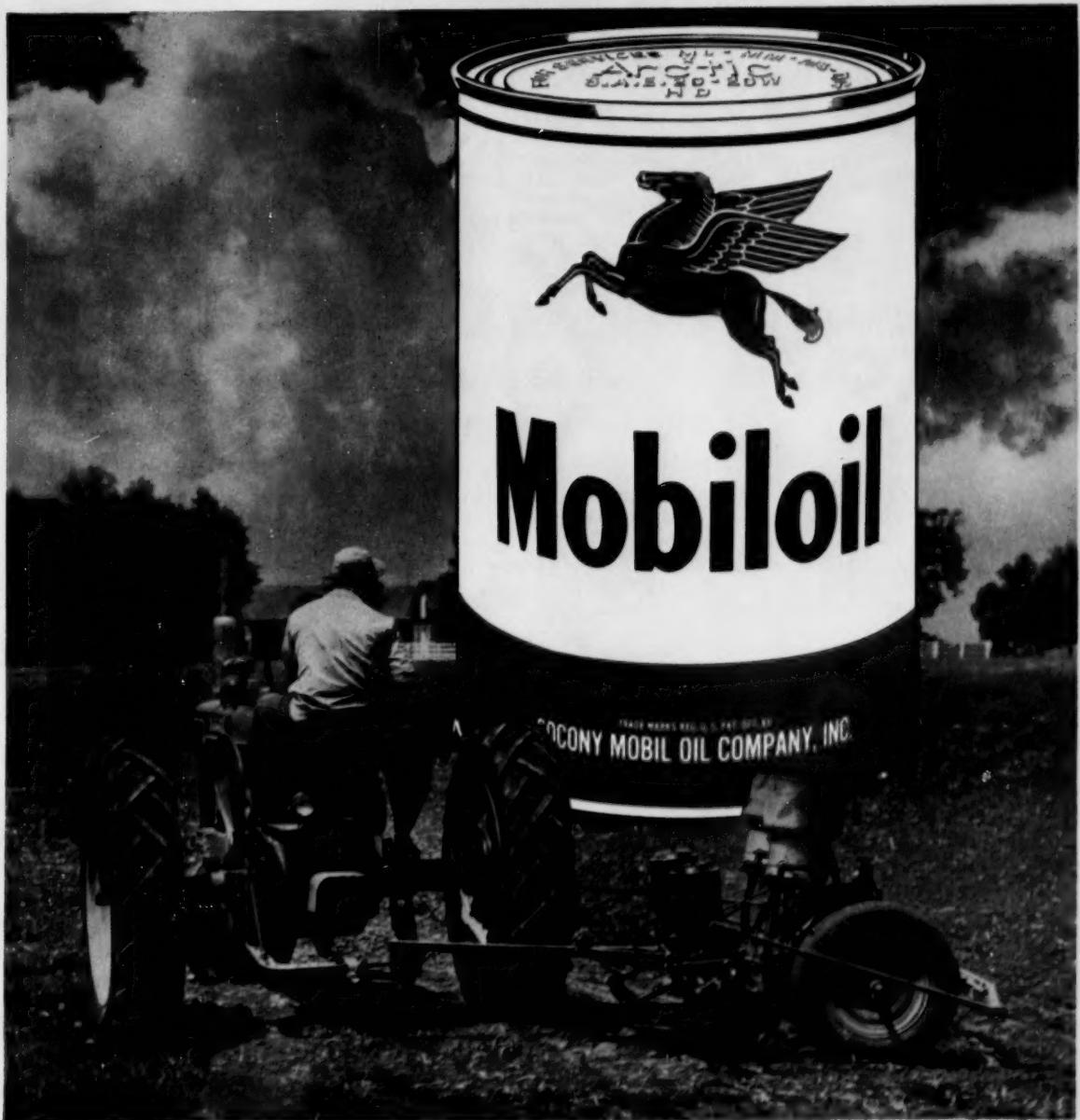
Osage Pastures of Oklahoma

The leasing of pastures has been active in the eastern part of the section, but limited in the western part. Lease prices are about the same as last season, with larger acreage guarantees. Grazing prospects are fair to good, with ample pond water in the east but the west and northwest have some local pond water shortages. Generally, soil moisture conditions were improved by March and early April rains and with warmer weather the grass will make rapid growth. There is little old grass and stands are thin where heavily grazed during the drouth. Present indications are that the movement of cattle in will be smaller than last season and later than usual.

Texas and the Southwest

The spring movement of cattle into Kansas and Oklahoma pastures from the Southwest is expected to be smaller than last season, due to reduced inventories and a smaller supply of cattle for pasture outlet. Improved grazing conditions in central, eastern and south Texas have developed considerable local demand for cattle and calves. In the Texas sections that supply pasture cattle, there has been active contracting of cattle and calves for California and Arizona; also contracting for feed lot replacements

(Continued on Page 24)



**FIRST
PLANTING
FOR
PROFIT**

Today's mechanized farms are food factories... dependent on trucks, tractors, planters and other equipment to produce the greatest yield per acre for profitable operation. But profits depend on care... scientific feeding and cultivation of land and the correct lubricants, properly applied at regular intervals, to keep farm equipment in the fields at peak efficiency.

This means Mobilube Gear Oils for top

protection and minimum power loss, plus anti-acid Mobiloil to prevent corrosive wear. Unchecked, acids formed in engine operation corrode cylinders, rings and bearings. Result is improper tolerances, inefficient performance, and eventual loss in time and needless repairs. Continual use of Mobiloil means longer life for all farm engines. Make Mobiloil your first planting for profit, delivered by a Mobil Man to your farm.

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MAGNOLIA PETROLEUM COMPANY, a Socony Mobil Company

FACTORS AFFECTING THE LIVESTOCK INDUSTRY

NOTE TO THE READERS: The information on this page is assembled and written about the 20th of each month, nearly two weeks before you read it. This is necessary in order to meet the publication date. Frequently it is necessary for the author to make estimates of coming events. Sources of information and reasons for statements will be furnished on request. Address your inquiries to The Cattlemen.

The statements on this page are solely the opinions and views of Mr. Stephens and in no way reflect the views of the editorial staff of The Cattlemen. Mr. Stephens is an investment counsellor and you may address any inquiries to him in care of The Cattlemen. If you have any suggestions for information that you think should be on this page send your recommendations to the editor.—The Editor.

TRENDS:

Farm Products: Sales in retail food stores are running about 7 per cent above the same period of last year. This helps to support basic farm prices which are slightly higher than last year.

Parity: Unchanged at 80. The relationship between prices farmers receive for their products and prices they pay for goods and services is apt to show little improvement. In fact, it would not be surprising if the parity ratio went lower this year.

Industrial Production: Leveled out at 148 for the first quarter of the year. Idle capacity has increased in many basic industries as demand for goods has tended to level off. The number of hours worked per week is less and overtime pay is down.

Cost of Living: On the last report from the Bureau of Labor Statistics it stands at 118.9 (using 1947-1949 as 100). This is an increase of 3.7% in the past year or nearly 1/3 of 1 per cent per month. That is what you can call "creeping inflation."

Personal Income: Consumer income in the first quarter of this year is running about 5 per cent above the same quarter of last year.

FAVORABLE:

1. During the past year live animal prices have advanced only an average of 6 per cent while the composite retail value of meat prices in big cities has advanced 18 per cent. There is room for improvement in the live animal price structure.
2. Pasture feed conditions for the country as a whole average 78 per cent of normal, which is the highest since April of 1953. Present indications are for further improvement.
3. In the 337 cities reporting to the Federal Reserve System spending for the past 3 months is running about 7 per cent above the same period as last year.
4. Production of egg type chickens during the first 3 months of this year was down 25 per cent from the same period of last year which means higher egg prices this fall.
5. Corn stocks on farms are estimated to be 8 per cent larger than a year ago and 22 per cent above the average for April 1st.

UNFAVORABLE:

1. Less hay acreage is likely to be cut this year than at any time in the past 9 years.
2. The spread between stocker-feeder animals and choice slaughter grades is about the same as last year in dollars per 100 lbs. It should be more than that in order to assure a comfortable profit margin.
3. Last year broiler producers turned out 1.3 million birds, a fourth more than in 1955 and prices fell to the lowest level in 15 years. Looks as though history might repeat itself again this year.

COMMENT: It has been often said, "Population growth will insure prosperity!" Some of the country's severest depressions occurred during periods of greatest population growth. Unless production per worker increases, a marked increase in the number of non-producing dependents must inevitably reduce the standard of living of all concerned. Prosperity of neither individual nor society is increased merely by sharing income with more dependents.



at less than a penny per day!

DO BETTER...

On your ranges and pastures this spring and summer... WHEN you'll permit them to obtain and balance out their daily needs

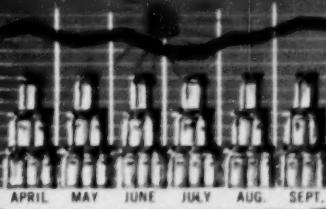
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FREE CHOICE

**LIVESTOCK
SUPPLEMENT**
The PATENTED Mineral-Vitamin Compound



HEAVIER, HEALTHIER ANIMALS



BETTER QUALITY MILK — BEEF — PORK

DID BETTER...

*because . . . VIT-A-WAY IS MORE
and DOES MORE for LESS MONEY*

than "Just a Mineral Mixture".

Specific formulations for areas—and every condition of weather—season—pasture.

**USE VIT-A-WAY MINERAL-VITAMIN FORTIFIER IN YOUR FEEDS AND
FEED FREE-CHOICE VIT-A-WAY SUPPLEMENT THE YEAR 'ROUND!**

SEE YOUR DEALER FOR FREE TRIAL SAMPLE AND FEEDER PLAN OR WRITE:
VIT-A-WAY INC., DEPT. B, FORT WORTH, TEXAS

MFG. UNDER U. S. PATENT # 2,611,702



2,063

The Phenomenal TR Zato Heir and the Record...

Forty-one herds including Turner Ranch showed descendants of TR Zato Heir to Register-of-Merit point winnings at the 10 Register-of-Merit shows during the 1956-57 show season, compiling an impressive 2,043 points out of a possible 4,960 in breeding cattle winnings (over 41%) plus 20 points on steer winnings.

The exact breakdown for points at each of the Register-of-Merit shows was as follows:

228—AMERICAN ROYAL	PACIFIC INTERNATIONAL—153
184—GRAND NATIONAL	BLUE GRASS SHOW—199
124—GOLDEN SPIKE SHOW	EASTERN NATIONAL—117
131—CHICAGO INTERNATIONAL	NATIONAL WESTERN—285
286—ARIZONA NATIONAL	SOUTHWESTERN—336
20—STEER Winnings	GRAND TOTAL—2,063

In the true test of a bull's breeding ability, the get-of-sire class, TR Zato Heir descendants won 186 points out of a possible 300 points (62%) and in the junior get-of-sire competition won nearly 70% of the possible points with 208 out of 300.

Here, in these figures, is not just proof of popularity, not just a barometer of showing performance, but a true picture that the TR Zato Heirs breed on, generation after generation . . . and there is a reason!

TR TR

*Actual points earned individually at the 10 Register-of-Merit shows. Not confined to the limitation requirement that only the best two shows of any one individual be considered and counted toward Register-of-Merit standing.

The Herds That Made This Great Record by Showing TR Zato Heir Descendants . . .

CK Ranch, Brookville, Kas.
Lazy T Ranch, Hallett, Okla.
Turner Ranch, Sulphur, Okla.
G. H. King, Jr., Canton, Miss.
Par-Ker Ranch, Chelsea, Okla.
McCormick Farms, Medina, Ohio
Bianchi & Sanford, Macomb, Mo.
Hull-Dobbs Ranch, Fort Worth, Texas
Twin B Ranch, Stanley, Kas.
Arrowhead Hereford Ranch, Okmulgee, Okla.
Beri Berry Hereford Ranch, Stanley, Kas.
Stan-De Ranch, Nowata, Okla.
Kavanaugh-Purdy, Butler, Mo.
Straus Medina Hereford Ranch, San Antonio, Tex.
Corona Hereford Ranch, Corona, Calif.
Circle L Ranch, Dyer, Nev.
Stockton Ranch, Morgan Hill, Calif.
Brooktree Farm, Grass Valley, Calif.
Foley Farm, Santa Barbara, Calif.
Long Meadow Ranch, Prescott, Ariz.
Double L Hereford Ranch, Encinitas, Calif.
Hi-Point Farms, Brighton, Mich.
Caw Caw Plantation, Orangeburg, S. C.
Portage Farms, Woodville, Ohio
Charles F. Meyer III, Los Angeles, Calif.
Sollman Bros., Watrous, N. M.
Fair Oaks Ranch, Boerne, Tex.
Herschede Ranch, Hereford, Ariz.
Turner & Thornton, Boerne, Tex.
Wilmar Farms, Rosamond, Calif.
Rancho Lilac, Escondido, Calif.
McBride Bros., Blanket, Tex.
Schermerhorn Farms, Inc., Mohnomen, Minn.
Dudley Bros., Comanche, Tex.
Diamond C Ranch, Houston, Tex.
Kingford Farm, Siloam Springs, Ark.
O. H. McAlister, Rhome, Tex.
Northwoods Stock Farm, Fort Worth, Tex.
George A. Tallant, Frederick, Okla.
Golden Hoof Ranch, Denton, Tex.
Stoney Acres Farm, South Lyon, Mich.

TR TR TR TR TR TR TR TR TR TR

1,852 POINTS* IN 1955-1956

POINTS* IN 1956-57

There Is a Reason . . . a Very Sound One!

TR ZATO HEIR

Third among the living Register-of-Merit sires and fourth on the all-time list, TR Zato Heir added 130 points in the 1956-57 show season for an 847-point total. He is pictured at 10 years old in his paddock at Turner Ranch.



SULPHUR, OKLAHOMA

Now, four sons and one grandson of TR Zato Heir are on the Register of Merit. They are Straus Medina's TR Zato Heir 88th, fastest-climbing sire of 1956-57, J. P. McNatt's TR Zato Heir 27th, now deceased, and G. H. King's TR Zato Heir 74th that were joined this year by the Hi-Point, Woody, Turner and Thornton sire, TR Zato Heir 262d, and the bull we own with Hull-Dobbs, TR Royal Zato 27th, the two leading newcomers of the year.



The Cattlemen's CORRAL

Edited by HENRY BIEDERMAN

BLIZZARD LOSSES—Ranchers in Northeast New Mexico claim they have Congressional support for government cash payment for cattle lost in the March blizzard. James Morrow, Raton, N. M., rancher says petitions asking the government to make direct monetary aid the same as for other disasters, such as foot-and-mouth disease, will be circulated among ranchmen in the blizzard areas of New Mexico, Colorado, Oklahoma, Texas and Kansas. They ask for \$100 for each adult cow lost and \$25 for each young calf.

* * *

PARITY PRICES—The effective parity price for beef cattle on March 15 was \$22.40 per cwt., up 10 cents from Feb. 15 and a year ago. Average prices received by farmers for beef cattle on March 15 was \$16.00 per cwt., up \$1.10 from a month earlier and \$1.50 from a year earlier. This is still \$4.20 per cwt. below the 5-year average, 1947-1949.

* * *

COLD STORAGE OF MEATS—Holdings of beef on March 31, 1957, had declined 27 million pounds, nearly four times larger than the net change for March last year and twice the average change. Beef stocks at 177 million pounds on March 13 were 13 per cent below the previous month and six per cent below this date last year. Pork stocks were increased by 15 million pounds by March 31 compared with a decrease of four million pounds last year this date.

* * *

BEEF PROMOTION—The Colorado Legislature passed a bill enabling cattle producers and feeders to finance Colorado's share of a nation-wide campaign to sell more beef, conduct marketing research and promote beef at the consumer level. The measure allows a

check-off of not to exceed 10 cents per head on all cattle sold in the state, to be collected at the time of change of ownership.

* * *

COMPLETE INDEX—The last 16 pages of this issue are devoted to a complete index of Volume Forty-Three (June 1956-May 1957) of *The Cattlemen*. This index covers all editorial items published during the past year and should be valuable to those who keep copies of *The Cattlemen* on file. We hope our readers find this index of value to them.

* * *

CATTLE ON FEED—USDA reports that on April 1 there were 4,392,000 head of cattle on feed in 13 major feeding states—4 per cent more than at same time last year. Texas showed a decline of about 25 per cent from same time last year—down from 97,000 head to 72,000.

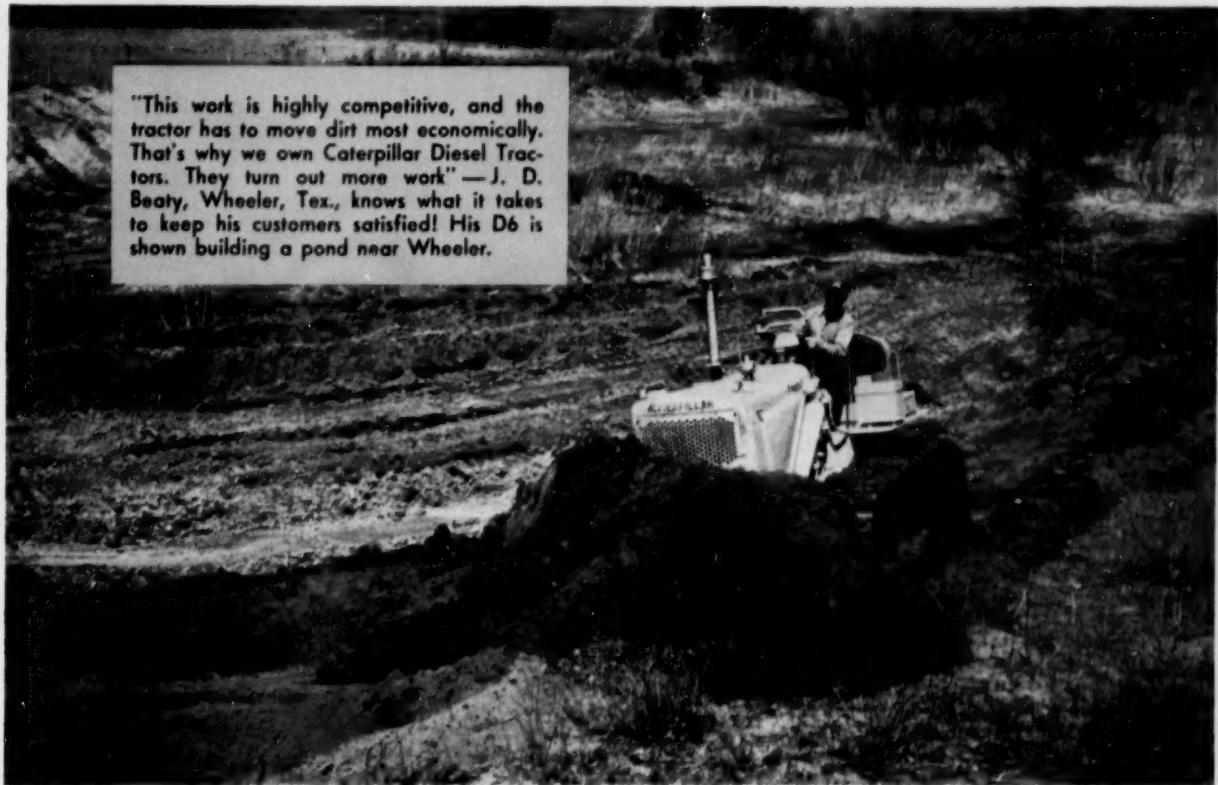
* * *

CATTLE SLAUGHTER—Butchering of cattle for the first three weeks in April was the smallest in two years. During this period leading packers slaughtered 856,047 cattle, a decline of 4.5 per cent from March and 12 per cent under January, 1957. Calf slaughter at 310,140 was down 4 per cent from March and 2.4 per cent under April last year.

* * *

STOCKER-FEEDER SHIPMENTS—Inspected stocker and feeder shipments from public stockyards during March showed an increase of 4011 head over March, 1956, but shipments to most leading states were down. Iowa, Missouri, Kansas, Oklahoma and Texas showed declines, while Illinois, Nebraska and California showed increases. Total shipments for the month were 283,460 head, against 279,449 in March, 1956.

"This work is highly competitive, and the tractor has to move dirt most economically. That's why we own Caterpillar Diesel Tractors. They turn out more work" — J. D. Beaty, Wheeler, Tex., knows what it takes to keep his customers satisfied! His D6 is shown building a pond near Wheeler.



It will pay you to patronize the Farm Power Contractor with the Big Yellow CAT Machines . . .

There's a farm power contractor in your community with big, yellow Caterpillar machines. His specialty is clearing land, moving dirt, and frequently, custom seedbed fitting.

If you have need for his type of services, it will pay you to patronize him. He has the equipment and "know-how" to handle your work with that professional touch and completeness that net you more yields, more money in the long run.

With his big, specialized Cat equipment and efficient operation he may be able to save you money on both routine farm jobs and big scale clearing and earthmoving jobs. You may find there are certain tax advantages to using his services, too.

But here's a tip: be sure he has Caterpillar equipment. This is your best insurance that you are get-

ting the most acres cleared or prepared — the most dirt moved — for your money!

We'll gladly put you in touch with such a man — just call us. We can help you analyze your farm operations to determine the most efficient equipment with which to do your work. This service does not obligate you, of course.

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- From 26th to 7th on the Register of Merit

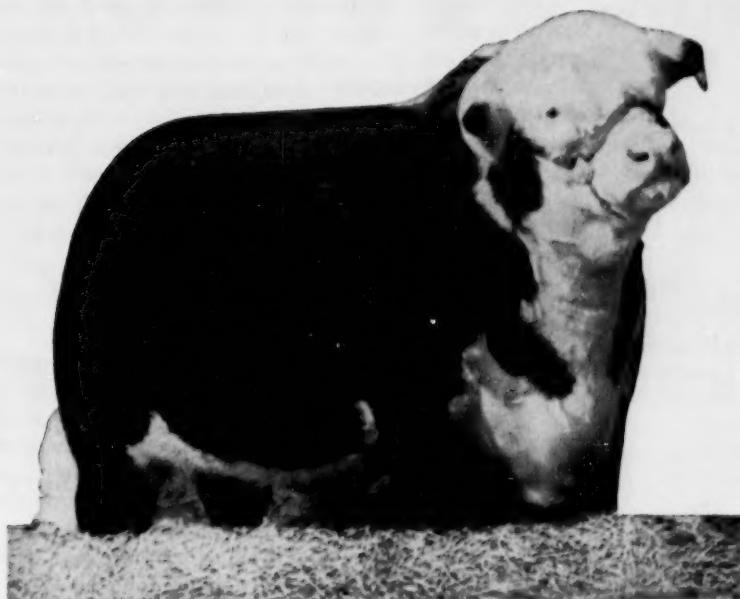
TR ZATO HEIR 88th

- America's Fastest-Climbing Register-of-Merit Sire
- Highest Total Points in One Year in ROM History
- Fifth-Ranking Living Sire on Register of Merit

TRAUS MEDINA HEREFORD RANCH

SAH ANTONIO, TE

Now... A Register-of-Merit Sire



TR ROYAL ZATO 27th

The get of TR Royal Zato 27th were top "money winners" from one sire, at National Western at Denver, Southwestern Exposition at Fort Worth, American Royal at Kansas City and Blue Grass at Lexington, Kentucky—all Register-of-Merit shows.

Owned jointly with Turner Ranch

You're Invited

We invite you to come and see the new calves by "the 27th" at both ranches. Breeders who have seen them tell us they are better prospects than we have ever had. We would like also to show the many calves we have by "the 203rd" and his sons . . . we believe you will like them.

assisting "the 27th"



*HH Real Onward 203rd

Assisting "the 27th" is HH Real Onward 203rd and three of his sons. They are siring the Cowman's kind . . . rugged yellow individuals with lots of quality. "The 203rd" is owned jointly with Straus Medina Hereford Ranch.

TR Royal Zato 27th joins the Register of Merit with 167 points compiled by six sons and seven daughters. In our Fort Worth herd, he is being used on a cow herd of clean-pedigreed brood matrons of the very highest quality . . . and in our Mississippi Polled Hereford herd, he is also being used with outstanding results.



For Sale, a good selection of top quality Range Bulls ready for service.

George Kleier
Gen'l Mgr.

Ray Parks
Manager

Melvin Campbell
Herdsman

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FORT WORTH, TEXAS—ROUTE 9, BOX 101

15 miles north on U. S. 81 then 2 miles west on Farm Rd. 718

*The Cattlemen's***WASHINGTON ROUNDUP**

By JOHN HARMS, THE CATTLEMEN'S Special Washington Correspondent.

A national livestock check-off for meat promotion now has a better-than-ever chance of getting congressional approval—but it's far from a lead-pipe cinch. Here's what a spokesman of one national farm organization, the Grange, says about it:

"The fight is bitter, deep-seated and very significant . . . A couple of general farm organizations feel these 'check-offs' pose a threat to themselves. They take a like view of commodity organizations. It is their opinion that these organizations would gradually take the place of the general farm organizations and would 'fragmentize' agriculture. Groups with narrow interests, they claim, especially when financed far better than the general organizations, represent a tremendous threat not only to the general farm organizations, but also to agriculture itself. The Grange does not share this view . . ."

Meantime, the House Agriculture Committee has approved the idea—and expect the House to go along

with it shortly. Little or no trouble is expected in the Senate.

The House bill stresses a voluntary check-off, in line with a resolution of the Texas and Southwestern Cattle Raisers Association. Only responsibility the Agriculture Department would have would be to receive annual receipt and spending reports from deduct collecting organizations—and making them public. Check-off would be up to 10c a head for cattle and calves, 5c a head for sheep, lambs and swine. Shippers who don't want the check-off would have 30 days in which to apply for refunds.

* * *

Humane slaughter bill also has a good chance of being adopted by Congress. Present Capitol thinking is that a study commission be set up to report back to Congress on what killing methods could be used most practically and efficiently in a humane manner for the whole livestock slaughter industry. Impetus for greater "humanity" comes from certain segments of the prevention-of-cruelty-to-animals movement.

* * *

Grazing land will not get into the Soil Bank—in the opinion of highly-placed congressional and Agriculture Department officials. Opposition stems not only from Secretary Benson, but from some congressmen from western range country.



**TAKE A GOOD LOOK
THE LATEST SHIPMENT OF
BRANGUS . . .
CARRYING OUR BRAND
TO SOUTH AMERICA**

*We Think These Are Mighty Fine Cattle and
Our Reputation Goes With Them. Good Luck!*

Clear Creek Ranches 

Frank Buttram

Charter Member, American Brangus Breeders Association

Dorsey Buttram

RANCHES AT WELCH, OKLAHOMA, AND GRENADA, MISSISSIPPI

For example, Rep. Hill of Colorado says he will oppose such proposals on grounds they would put western cattlemen on "pension," and shift the heart of the cattle industry to Southeastern states—"where they can have lush grass the year 'round." Hill figures drouth would force his constituents to use Soil Bank payments to cut down on cattle numbers—but Southeastern producers, not faced with short grass, would increase production.

Secretary Benson doesn't like the idea because, he figures, it would cost too much money. Also, there is a growing feeling inside the USDA that, after all, the drouth may be broken.

Under proposals by Oklahoma's Rep. Albert, you'd get \$25 a head for all cattle reduced below officially estimated carrying capacity on your ranges. You'd be paid for cuts already made, and reductions would range between 10% and 25% below range capacity. You also would be paid for retiring actual grazing land. In addition, Phil Ferguson, vice-president of the Oklahoma Cattlemen's Association, advocated at recent hearing that USDA be required to buy beef when cows reached a carcass price of 24c. This suggestion fell on deaf ears in the House Agriculture Committee.

* * *

Has the need for Southwest drouth aid ended? The Agriculture Department thinks it has in many areas. So—it is cutting drouth assistance programs back sharply. Less than half the 600 counties which received feed grain help have been cut off, and only about one-third of the 540 counties getting hay and roughage help still are getting it. USDA also is not renewing permission to graze Soil Bank land.

Congressional critics of USDA policy point out that it takes more than just a few months of rain to break the drouth. Nevertheless, USDA is not expected to change its mind.

THIS IS IT!!!

A SELF-RATIONING PASTURE SUPPLEMENT PROGRAM FOR YOU THAT IS PRICED RIGHT . . .

DEVELOPED
ESPECIALLY
FOR NORTH AND WEST TEXAS

In one bag—All the basic ingredients perfectly balanced to help your livestock extract more nutrition from YOUR available pastures and roughages—AT LESS COST.

ALEDO SELF-RATIONING PASTURE SUPPLEMENT . . .

DEVELOPED. Formulated and Perfected to meet the specific requirements of livestock in this area through research by The Department of Research and Control of VIT-A-WAY, Inc., Fort Worth.

MANUFACTURED by Aledo Feed Mill, Inc., under modern precision methods, to fill the demands of livestock raisers in this area for an easy to feed—economical supplement for year 'round Free-Choice feeding with pastures and roughages.

TESTED AND PROVEN by customers of Aledo Feed Mill under specific area conditions and numerous tests.

SAVES LABOR . . . CUTS COSTS . . . INCREASING OFFSPRING . . . INSURES MORE PROFIT - POUNDS PER ACRE GRAZED

No additional supplements are necessary with this program because Aledo Self-Rationing Pasture Supplements contain an abundance of highest quality proteins and are fortified with the recommended levels of a famous patented FORTIFIER.

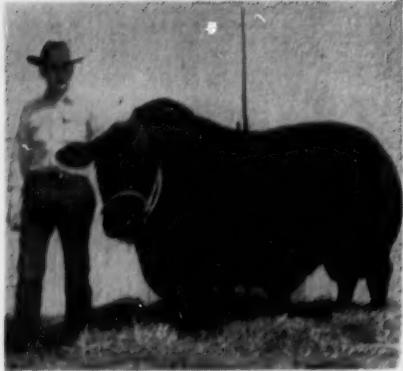
START TODAY . . . TURNING YOUR PASTURES INTO MORE PROFIT POUNDS . . . CHEAPER!

Aledo Self-Rationing Pasture Supplements are available in five protein levels—12%—14%—15%—20%—36%—offering a specific formula for every condition of Texas weather, pasture and season, and is all a livestock owner needs in addition to his available grasses and roughages for profitable livestock raising. Each formula available with or without low level phenothiazine.

CALL OR WRITE TODAY . . . BETTER STILL DROP IN AND GET FULL DETAILS

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1. They have no horns.
2. They have great resistance to cancer eye and pink eye.
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4. They make fast gains on poor grades of food.
5. They are solid black in color.
6. They can stand both heat and cold.
7. They are not bothered by flies, ticks and lice.
8. They have a high dressing percentage for meat.
9. Mothers give good milk and calves make rapid growth.
10. They grow larger than most breeds.
11. They are easy to handle.
12. Our Brangus are good breeders because they are from the most popular blood lines today: MANSO
13. The Brangus Association is the fastest growing Association of cattle breeders in the world today—BAR NONE!

DALE CARNEGIE RANCH

RUSSELL WERNEX, Manager

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WHY NOT DRIVE OVER TO SEE US?

45 Miles South of Kansas City, Mo.
Take Highway 71 to Lonetree Crossroad,
Then 1 Mile East

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UNION FEED YARDS

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CUSTOM CATTLE FEEDING

We are equipped to handle more cattle efficiently than any feed lot operation in California.

ACP and Soil Bank conservation reserve will be consolidated into one program—if Chairman Whitten of the House Appropriations subcommittee on agriculture has his way. A recent field investigation by committee on agriculture has his way. abuses of the conservation reserve, says Whitten. He maintains that both programs are valuable conservation aids, but both should be run by ACP officials.

If this is done, it is not expected to change the rules under either program. ACP would continue to pay up to 50% of conservation practices on annual contracts, and CR would continue to pay up to 80% on 3, 5 and 10-year contracts. Whitten says it won't make any difference in the programs themselves—just provide better administration.

* * *

No more special treatment for basic commodities—corn, cotton, wheat, rice, peanuts and tobacco. That's the aim of Secretary Benson—and he's expected shortly to come up with reasons as to why, and recommendations on how.

Benson's aim, as he told a recent press conference, is to wipe out present minimum guarantees for price supports so he could use his judgment on where supports should be. Present floor is 75% of parity. Benson prefers no floor, but indicates he would be satisfied temporarily for a drop of 10% to 15%. Not much chance that Congress will buy the idea this year.



ANGUS produce the beef housewives prefer

More marbling, bigger rib eye-less bone and wasteful fat increase demand for Angus beef

Who sets the price on beef? Well, actually, it's the housewife because she is the No. 1 buyer. And, what does she want in a beef cut? She wants it tender, with good color and fine texture to the lean. But she doesn't want to pay for big bone and excess fat. She prefers the kind of beef that Angus produce.

Packers pay more for Angus

The packer knows what the housewife wants. That's why he'll bid more for good Black steers . . . they produce the kind of beef that the housewives demand and pay more for . . . they also yield 1 to 2 percent more of the desirable cuts. Frequently, his bid is \$1.00 to \$2.00 per cwt. more for Angus.



ANGUS STEERS are bred to be better, full of red meat that's well-marbled. They are thick in the loin, deep and low set, carrying down full in the twist and wide in the quarter. Yes, it'll pay you to feed Angus.



STEAKS—Angus have big, full loins which make good-looking and good-tasting steaks.



POT ROASTS—The excellent marbling and fine texture of lean in Angus help make arm and shoulder roasts tender and delicious.

Angus convert feed into quality beef —efficiently and economically

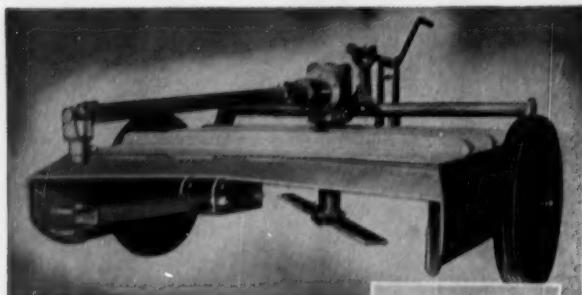
What do you, the cattle feeder want? Well, you're interested in a wealth of natural fleshing and the ability to make economical gains. You want thick, good-middled, good-doing cattle that are smooth enough to bring these top prices when finished.

Actually, you too want Angus. For Angus have size and substance and smoothness, without being coarse and wastey. They are efficient converters of your grain and roughage into market-topping beef.

Be ahead! Feed Blacks! Breed Blacks!

Remember, with Angus, you're not turning \$1.50 corn and \$15.00 hay into excess bone, belly and brisket, but into quality beef the housewives prefer and the packers pay more for.

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(Continued from Page 10)

and pastures in midwest and central Plains States. Texas has the smallest supply of steers in over thirty years, with the January 1, 1957 inventory estimates showing about 10 per cent less calves than a year ago. Oklahoma and New Mexico have smaller inventories of steers and calves than a year ago. The spring movement of cattle from South Texas will be later than last season.

More Cattle and Calves on Feed

Indications Are That Marketings Will Be At Slower Rate Than Last Year

THE number of cattle and calves on feed for market in 13 major feeding states on April 1 was estimated at 4,392,000 head. This was an increase of 4 per cent from the 4,222,000 head on feed April 1, 1956. An increase of 4 per cent from January 1, 1956 to January 1, 1957 also occurred in these same states. The April 1, 1957 number of cattle and calves on feed in the 13 States was 15 per cent below the number on January 1, 1957 which is about the usual decline during that period. Numbers placed on feed in these states during the 1957 January-March quarter at 1,736,000 head were about the same as the 1,728,000 head placed in 1956. Fed cattle marketed from the 13 states during the first quarter this year at 2,516,000 head were 2 per cent above the similar period for 1956. Cattle and calves on feed in Idaho, which are not included in the 13-states, totaled 100,000 head on April 1, 1957—down 15 per cent from 1956.

Cattle and calves on feed in 9 of the Corn Belt states on April 1, 1957 totaled 3,661,000 head—6 per cent larger than the 3,465,000 head for a year earlier. All of the Corn Belt states for which cattle on feed estimates are made showed increases over April 1, 1956, except Nebraska which was down 1 per cent, and Kansas, down 17 per cent.

For the five important western feeding states, Texas, Idaho, Colorado, Arizona, and California, cattle numbers on feed April 1, 1957, at 831,000 head, were down 5 per cent from the 875,000 head on feed April 1, 1956. This compares with a 1 per cent increase from the preceding year shown by these same states on January 1, 1957. Colorado, the only one of the five western states to show an increase over 1956 in cattle on feed April 1, 1957, was up 15 per cent. California numbers at 297,000 head were unchanged from 1956, while Texas was down 26 per cent, Idaho down 15 per cent, and Arizona, down 18 per cent. Fed cattle marketed from California feed lots during the first quarter of 1957 totaled 375,000 head, down 1 per cent from the 379,000 head marketed in the same quarter of 1956.

In the 13 states, numbers on feed over three months on April 1, 1957 was 6 per cent above 1956, while those on feed less than three months were about unchanged from 1956. The breakdown of numbers by

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If you are among the many cowmen who are now disturbed about the weight for age of your calves, this is your answer. Buy top quality registered Brahman bulls out of a proven beef producing Brahman herd. Do not make the mistake, many have unfortunately made, of buying a hybrid bull, or a cold blooded Brahman bull—one carrying the blood of some other breed of cattle, or even a registered Brahman bull of the wrong type and conformation. It is very important to stay with blood lines of proven beef producing ancestry. Your herd bulls, as all experienced cowmen know, are the most important part of your herd. Do not expect an ordinary Brahman bull to perform miracles. Buy only the best in Brahmans as you do in other breeds. You will find they will pay for themselves quicker and you will show much more profit on your calves. Results at Federal and State Experiment Stations have shown increased calf weaning weights of 65 to 150 pounds due to hybridization. This increase is all profit as the demand for hybrid calves sired by Brahman beef bulls is much greater than the supply. Choice hybrid calves will bring top prices on any market and can be sold at a premium to many small packers and markets on a dressed weight basis. Some feeders are now paying premiums for hybrid calves and yearlings. If you are not producing hybrid calves, a good Brahman beef bull will increase your income enough to soon pay for the bull.

IF YOU ARE INTERESTED IN TRUE HYBRID VIGOR, RAPID GROWTH, HYBRID-DRIVEN HARDINESS, PINK EYE AND DISEASE RESISTANT CALVES, THAT WILL GO TO MARKET EARLIER AND WEIGH MORE, WITH A HIGHER DRESSING PER CENT, THEN YOU MUST CROSS A PURE BRAHMAN WITH ONE OF THE OTHER BEEF BREEDS.

Let us discuss hybrid beef breeding with you, and show you hybrid animals of all ages that will convince the most skeptical of its great advantages. We can give you the advantage of our many years of experience in hybrid cattle breeding and help you get started in the most economical way.

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weight groups indicates considerably more medium weight cattle on feed than in 1956. Cattle under 600 pounds totaled 920,000 head, up 2 per cent from last year. Those weighing from 600-900 pounds at 2,160,000 head were up 9 per cent from 1956. Cattle weighing over 900 pounds at 1,312,000 head were down 2 per cent from last year.

Intentions on April 1, 1957, indicate marketings of fed cattle will be at a slower rate than last year with 47 per cent of the April 1 numbers this year expected to be marketed by July 1. In 1956, feeders intended to market 51 per cent of April 1 numbers by July 1.

Foot and Mouth Disease On Curacao

U. S. D. A. Taking Precautions to Prevent Infection From Entering This Country

A N OUTBREAK of foot-and-mouth disease has occurred on the island of Curacao, Netherlands West Indies, the U. S. Department of Agriculture announces.

As required by Section 306(a) of the Tariff Act of 1930, livestock regulatory officials of USDA's Agricultural Research Service have taken action to declare the island infected by the disease.

Livestock susceptible to foot-and-mouth disease, and fresh, chilled, or frozen meats from such animals, are prohibited entry into the United States from the island, which is located just off the coast of Venezuela. Stricter requirements than were heretofore in effect have also been imposed on imports of animal by-products, hay, straw, and similar materials from Curacao.

This outbreak marks the first appearance of foot-and-mouth disease in a previously non-infected Western Hemisphere area since Mexico was declared free of the disease on December 31, 1954.

National Beef Council Meets

E DWIN KARLEN, Columbia, S. D. was elected president of the National BEEF Council at the second annual meeting of the organization in Kansas City, April 7. Donald Bartlett, Como, Miss., was named vice-president and Bob Burghart, Colorado Springs, Colo., secretary-treasurer.

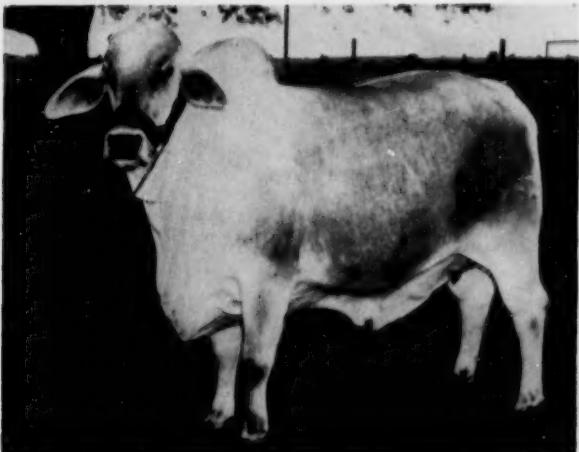
Seven regional vice-presidents were named; Carl Garrison, San Francisco, Cal.; Forest Noel, Lewistown, Mont.; Leo Welder, Victoria, Texas; Don McMurtrie, Centerville, S. D.; Mark Knoop, Troy, Ohio; B. R. Smith, Green Pond, S. C.; and Robert Watson, Clyde, N. Y.

Five directors at large were also elected: Don Collins, Kit Carson, Colo.; John Marble, Deeth, Nev.; J. C. Holbert, Bettendorf, Iowa; Glenn Lewis, Exeter, Neb.; and Mrs. Fred Dressler, Gardnerville, Nev.

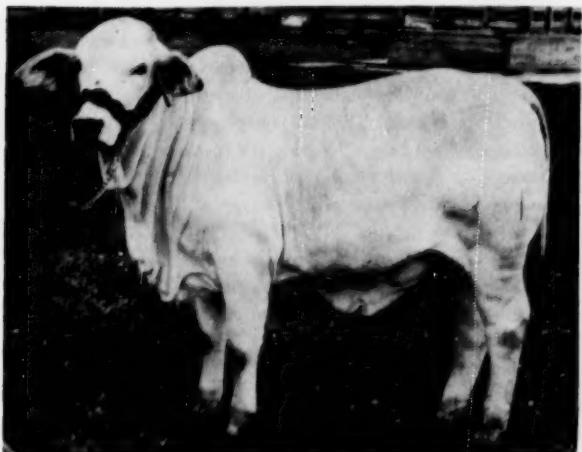
T GARRETT-BRED BRAHMAN CHAMPIONS T



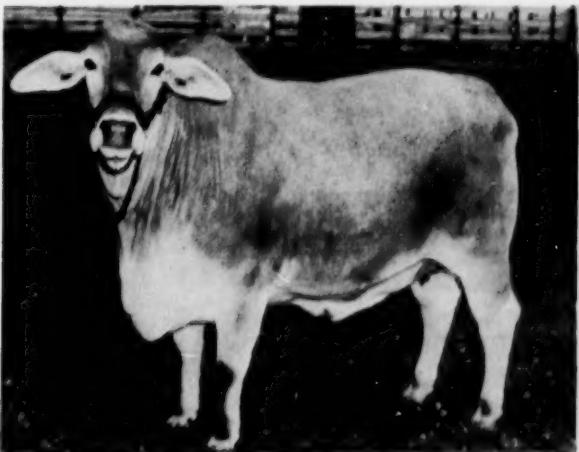
JTG Miss Resoto Mano Jr. 236—Grand champion Brahman female, Houston Fat Stock Show.



JTG Miss Typey Mano 270—Reserve grand champion Brahman female, Houston Fat Stock Show.



JTG Miss Marshall D Mano 381—Grand champion Brahman heifer of the junior breeding beef division, Houston Fat Stock Show. Exhibited by Jacko Garrett.



JTG Miss Resoto Mano Jr. 334—Reserve grand champion Brahman heifer at the junior breeding beef division, Houston Fat Stock Show. Exhibited by Jacko Garrett.

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full of spunk...

but beautifully behaved . . . the '57 Chevy!

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When you design sports car handling into a passenger car, then drop in the industry's most advanced, most talked-about V8 engine; you've got a car that's noticeably different from any other on the road. That's the new Chevy! Its pep and easy handling make it fun. Safer, too. It's spacious inside, daring in design outside. But still it's a stickler for tradition, and in the grand Chevrolet manner it's known to be as trouble-free as that totem pole!

Drive a new Chevy, one with the exact power you prefer (h.p. goes up to 245*). With triple-turbine Turboglide, too, the newest and smoothest of all automatic drives (an extra-cost option). Your dealer will gladly arrange it . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

The new Bel Air 2-Door Sedan with Body by Fisher—one of 20 new Chevrolets.

Cattle Industry Needs Greater Public Understanding



Senator Johnson in this article written especially for *The Cattleman*, urges public education about the basic importance of the cattle industry; low-cost, long-term credit for cattlemen; and legislation permitting check-offs at markets for self-help meat promotion.



*By LYNDON B. JOHNSON
Majority Leader, U. S. Senate*



The Lyndon B. Johnson family, left to right, Lucy Baines, Lynda Bird, Mrs. Johnson and the Senator. They are pictured on one of the Senator's Texas ranches.

A PROPOSAL to provide assistance to cattlemen in the drouth disaster areas of the country was under discussion in the House of Representatives one day during the present session of Congress. The proponents of the proposal, including several Texas congressmen, were explaining the serious need for the help the bill would give if enacted into law.

Their presentation was interrupted suddenly by a congressman from a state in the East. He got to his feet and sarcastically proposed that the people of Texas use their "vast oil wealth" to help the state's cattlemen. The gentleman was obviously quite pleased with himself for getting in what he regarded as a double blow at Texas cattlemen and Texas oilmen.

This was not an isolated instance of the appalling lack of any real knowledge in many parts of the country of the problems of the cattle industry or even of the nature of the cattle industry. Millions of Americans, including many in public life, have no idea how hard the industry has been hit by years of drouth and by low cattle prices at a time when ranchmen have to pay high and ever

higher prices for the things they must buy to carry on their ranch operations.

Texas Ranchers Butts of Jokes

This unawareness of matters vitally affecting cattlemen is widespread. It goes deep. Here in Washington we still hear ill-tempered jokes about ranchers driving into town in their Cadillacs to make arrangements for getting drouth relief. And the butts of the jokes seem always to be Texas ranchers!

I have been doubly concerned about this state of affairs. In the first place, I have pride in and love for Texas and dislike seeing the people of Texas presented in an unfair light to the people of other areas. In the second place, such an attitude of mind makes it difficult for Texans in the Senate and the House to get favorable action on programs designed to deal effectively with some of the cattle industry's problems.

Those problems are both numerous and pressing. Some of them can be solved only by the industry itself. On some the industry needs—must have—the help of the government.

In the case of both, a continuing program of public education is of basic im-

portance. Such a program is necessary to clarify the distorted picture that too many Americans summon up when they think of ranchers and the business in which they are engaged.

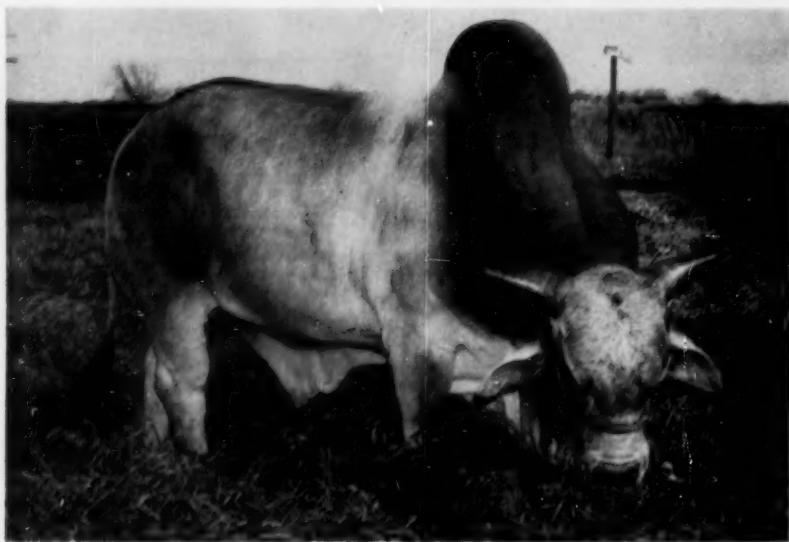
One phase of this distortion is that nearly everybody out of the cattle country thinks of the cattle industry as big business. So it is, of course, in the aggregate. Nevertheless, the fact remains about 70 per cent of the members of the Texas and Southwestern Cattle Raisers Association own fewer than 100 head of cattle. At present cattle prices, that figure certainly does not constitute big business.

Many Ranchers Are Broke

Even in the case of the truly big ranches, the picture of two Cadillacs in every ranch garage does not precisely square with the facts. The most presently pertinent of these facts is that many, many ranchers—big ranchers and little ranchers alike—are broke or next to it.

They are staggering under the economic impact of years of disastrous drouth, combined with a high cattle

(Continued on page 97)



Purebred Brahman bull.

Crossbreeding With American Brahman Cattle

American Brahman Cattle Are Used Extensively for Crossbreeding and Have Contributed Much to the Beef Cattle Industry Due to Their Wide Adaptation for Crossbreeding Purposes

THE American Brahman has had a tremendous impact on the beef cattle industry in the United States particularly in the coastal regions of the country where the breed has proved itself to be resistant to heat, insects, parasites and other problems that confront ranchers in these areas.

American Brahman cattle can now be found thriving in many foreign countries and in most of the states in the union. American breeders have made much progress toward developing a beef-type animal that when crossed on native cattle has produced excellent results.

Blend Well With Other Breeds

During the past twenty or thirty years crossbreeding with Brahman blood has been practiced extensively in some parts of the country and several new breeds of beef cattle have evolved from the matings of Brahman cattle on other beef breeds. In addition to this many commercial cattlemen have blended Brahman blood into their herds.

Today there are cattle of all descriptions in most parts of the country that have part Brahman blood and Brahman breeders in the United States are optimistic about the future of crossbreeding programs.

On this page and on the following pages are photographs of animals made on the Burke Brothers ranch near Corsicana, Texas. Aside from the two purebred Brahmans, these animals all contain some Hereford blood. This is just

one example of the many crosses that contain some Brahman blood. Probably the most popular cross is the use of a purebred Brahman bull on native, plain, commercial-type cows in the gulf coast areas of Texas and the South. Brahman cattle, being of the *bos indicus* species, have demonstrated their ability to transmit hybrid vigor to their offspring when mated to cattle of the *bos taurus* species.

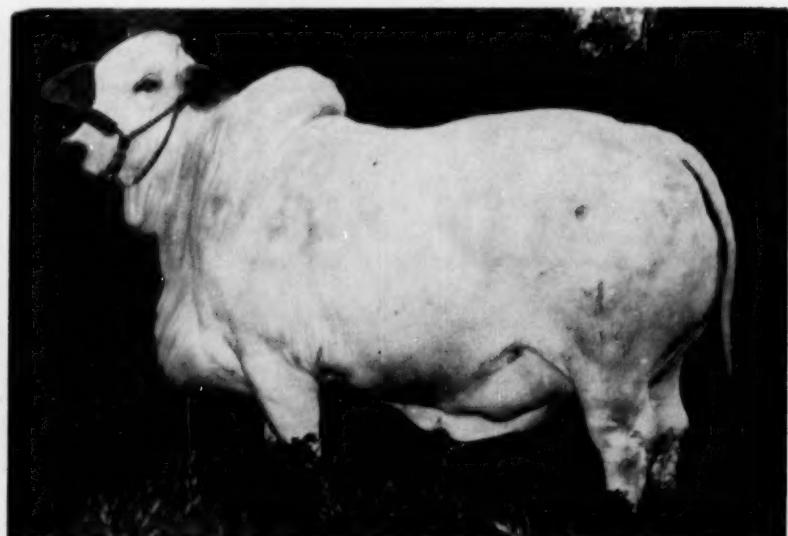
This genetic process, known as heterosis, has long been a subject discussed widely among cattlemen. In some areas it is a practice followed widely and in others crossbreeding the two different species is seldom a part of the breeding program.

At any rate the American Brahman has contributed much to beef cattle production in many parts of the country, both through the direct mating on Brahman cattle on other cattle and through the mating of new breeds that contain some Brahman blood on other cattle.

Mostly in Commercial Herds

It is estimated that 95 per cent of the American Brahman bulls produced in the United States are used for commercial production. Of these, including some 30 per cent of the annual total production in the United States which is exported, about 35 per cent are used for up-grading commercial cattle. The objective of this is to continue to use American Brahmans for top crossing until the breed type is established. The purpose or objective of using Brahman bulls in crossbreeding programs is to increase the market weight of the offspring and to produce a first cross Brahman crossbred cow. There is a wide preference among cattlemen as to what percentage of Brahman blood is needed for ideal beef production. Many ranchers want at least one-half, others three-fourths, and still others prefer only one-eighth to one-fourth Brahman blood in the cattle they have for sale.

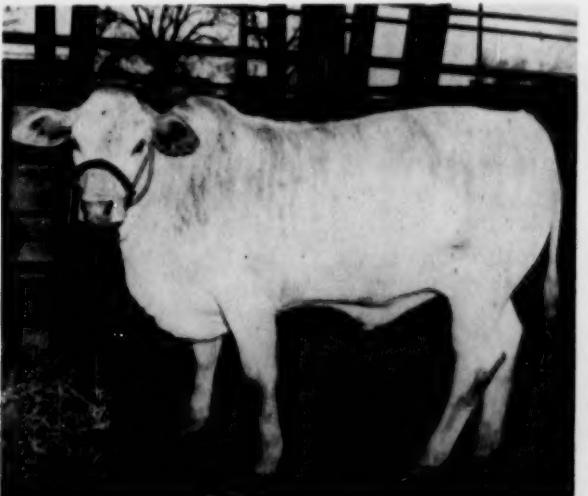
Many ranchers crossbreed to increase environmental adaptability derived from the Brahman. Others crossbreed because of the increased size of the offspring, because the American Brahman is a large breed of beef cattle. Crossbreeding programs are usually confined to three main types. These are using Brahman bulls on English-type cows, using English-type bulls on Brahman cows and using Brahman bulls on native or dairy type cows.



Purebred Brahman female.



One-half Brahman—one-half Hereford cow.



Three-quarter Brahman—one-quarter Hereford calf.



One-half Brahman—one-half Hereford steer.



One-half Brahman—one-half Hereford steer.



Three-quarter Brahman—one-quarter Hereford steer.



One-half Brahman—one-half Hereford cow, with three-quarter Brahman calves.

COWBOY COLLINSON

Colorful Cowman Says Old Fort Griffin Was Wildest Border Town He Ever Saw

The fourth of a series of articles about this colorful cowman of the Old West written in the first person from his memoirs.

By MARY WHATLEY CLARKE

I WANT to tell you something about Fort Griffin, the frontier Texas town on the Clear Fork of the Brazos, where the buffalo hunters headquartered during the big slaughter. I was often there, and it was by far the wildest and the most colorful border town I ever saw and I have seen them all from Dodge City, Kansas, to Ogalala, Nebraska. It was the last town with any semblance of civilization on the western frontier of Texas and that "semblance" was very thin. The endless prairies sweeping out from Griffin had been the home of the buffalo for ages past and their wild red herdsmen, the Indians.

The buffalo hunters and the skinners, fresh from a womanless country farther west flocked to Fort Griffin for a fling, their pockets bulging with money. Hardened surveyors and their assistants rode into town with compass and chain after locating countless sections of previously unappropriated land. Bullwhackers and sunburned bewhiskered soldiers just returned from the indescribable hardships of a staked plains campaign with MacKenzie, filled the barber shops for shaves and haircuts and hot baths in the tin tubs in the rear. Black sheep from prominent families elsewhere flocked to Fort Griffin to forget the past and begin life anew. Questionable women stayed in their shoddy rooms by day, but came boldly out at night when the fiddles began to play, flitting about the saloons, dance halls and gambling dens like bright fireflies. Honest ranchmen and merchants and their loyal wives established homes and brought the first culture and permanence to the raw, untamed town. They all mingled together, those Fort Griffinites, the good and the bad, in one common herd, and left their marks, for good or bad, on the fabulous Clear Fork town.

Two Men Hanging to Tree

During the extermination of the buffalo it was necessary to go to Fort Griff-



Hangings were an every day occurrence

*You would not think to find her
In any gambling den,
But every night at poker,
She played with all the men.*

*And no man dared insult her,
And no man knew her name,
When she had won a fortune,
She vanished like a flame.*

Berta Hart Nance

fin for various and sundry reasons. We sold our hides there, and we hauled out supplies from there. On other occasions we took time off and went there to break the monotony. One day in 1875 a teamster and I went to Fort Griffin for supplies. The next morning we were looking for our horses in the river bottom when we came upon two men hanging to a pecan tree. A printed notice was penned to the clothes of one, "Anyone moving these men will fill their places", so we let them hang.

I often walked down the dusty streets of Griffin and mingled with the throng that was ever present in Owen Donley's place. This was the most famous frontier saloon that ever graced or "disgraced" a town. It had a large beehive painted over the door with the following verse beneath:

Ruins of the old sutler's store built in the 1860's, located in the Fort Griffin State Park, 16 miles north of Albany, Texas on U.S. Highway 283.



Within this hive
We are all alive.
Good whiskey makes us funny,
Step in and try
The flavour of our honey.

I knew many of the Griffin citizens, reputable and disreputable, and heard their stories from their own lips. More than once early-day "bad men" escaped the Vigilance Committee of Fort Griffin and rode into our camps on the distant prairies where they found shelter and food and could rest their played-out horses a few hours before "beating it" farther west.

One night Hurricane Bill rode into my camp, his horse exhausted. The Vigilantes had given him his freedom after he promised to leave the country. He had been in jail several weeks charged in a shooting scrape. I put Hurricane Bill up for the night and let him have a fresh horse in exchange for his tired one, the next morning. I watched him ride away into the unknown West and never saw him again. But I had heard his story that night as we sat before the fire.

Hurricane Bill trembled as he talked, so great was his fear of the Vigilantes and so narrow had been his escape from that group of excited men. The Vigilance

(Continued on page 68)

Indu-Brazil Cattle Playing Important Role In American Beef Cattle Industry



More and More Cattlemen Using PAZA Registered Herd Sires in Their Cross-Breeding Programs



IN 1946 with the importation of a small group of Indu-Brazilian cattle from Brazil, a dozen South Texas cattlemen formed an organization known as the Pan American Zebu Association with the purpose of preserving the advantageous characteristics of Zebu cattle which originally were found in India and Asia. In the past eleven years, the association has made remarkable progress and now has a membership of over 400 breeders.

The founders of the association recognized the importance of strict genetic

selection in order to isolate and perpetuate Zebus in accordance with known and identified breeds of Indian cattle.

Brazilian cattlemen had realized the great potential values of maintaining a true strain of Indian Zebus many years before and had concentrated on fusing the desirable characteristics of several strains of Zebus; therefore, the Indu-Brazil Zebu is the result of many generations of cattle bred to preserve the original Zebu type.

Zebu breeders in the United States have maintained the purity of blood

established from the 1946 importation and today enjoy a healthy foreign trade as well as a good domestic market for their cattle.

The Zebu cattle vary in size, color, shape and size of horns and in development of the hump and pendant skin. Among the Zebu types the Guzerat Nellore and Gyr strains are the most popular. PAZA's standard of selection emphasizes purity of blood as the primary basis of segregating the desirable genetic qualities of the breed. The sur-

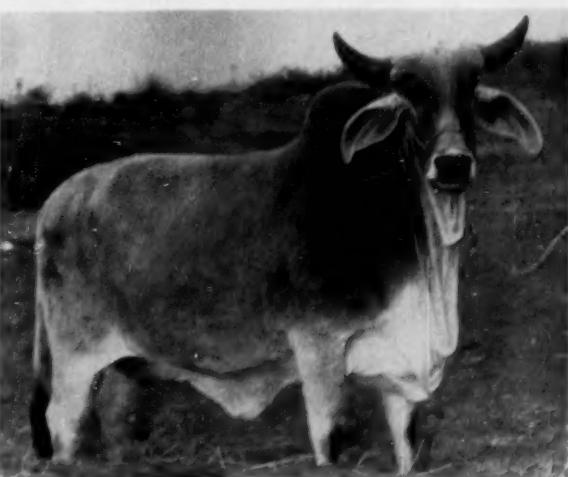
(Continued on Page 59)

Precioso, one of the original Indu-Brazilian bulls imported to the United States in 1946 by the Garcia Bros. Ranch, Encino, Texas. Precioso, along with eight other top Zebu types that were imported by Esteban and Eligio Garcia, helped to establish the foundation stock that led to the organizing of the Pan American Zebu Association. The Garcia Brothers have been very active supporters of the association since its beginning and Esteban Garcia is the current president of PAZA.



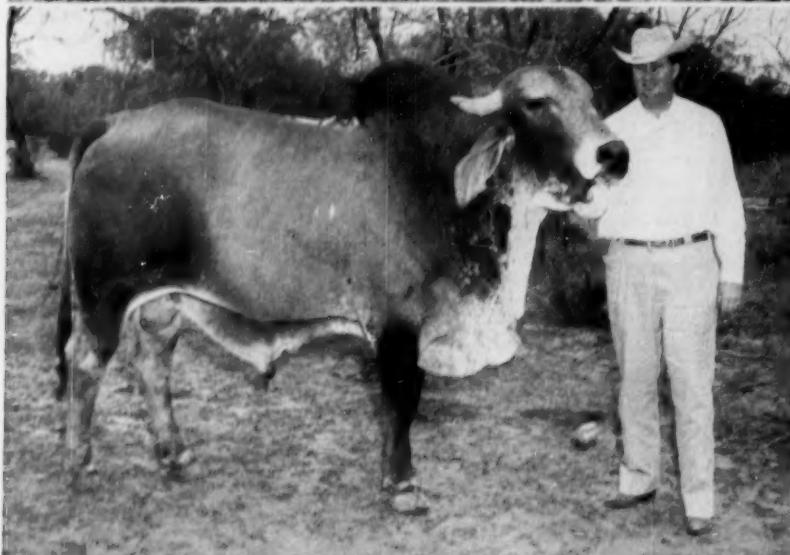
Cherokee Repucho 226, one of the excellent Indu-Brazilian herd sires in use in the C. E. Yoakam herd of Red Brahmans. Yoakam is the owner of the Cherokee Ranch, San Saba, Texas, and for many years has been taking blue ribbons in the major Brahman and Zebu shows. Yoakam has a very successful Red Brahman breeding program. The above bull is rich in characteristic features of the Indu-Brazilian blooded sire. Note the leaf-like ears, notched near the tip, and the prominent, broad, and convex forehead.

Royal Lady Tippu, a three-year-old champion show heifer, was bred by Webb's Brahman Ranch, El Campo, Texas, and is typical of the championship quality animals produced by Mr. and Mrs. Wilbur Webb, Jr. In the 1957 PAZA Brahman show at San Antonio, Webb's Brahmans showed both the grand champion bull and female. They have been showing cattle for 15 years and have a herd of 400 registered Brahmans. Many of their cattle are double-registered.

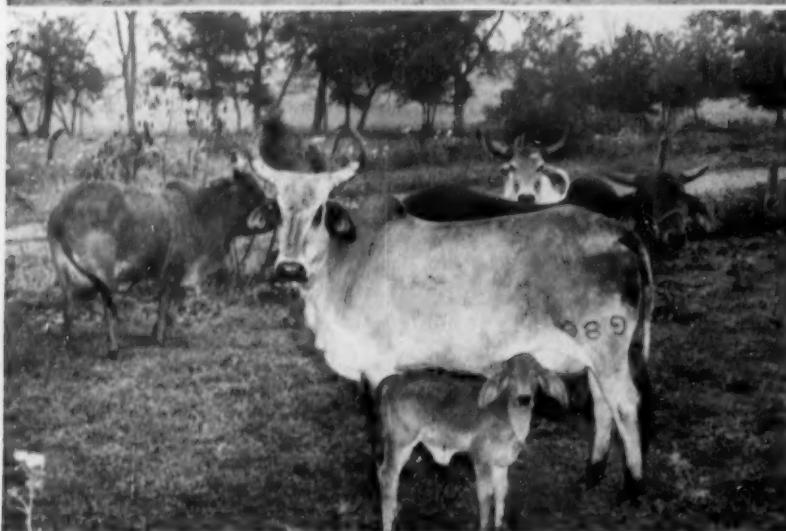




This yearling bull, bred by J. W. and Roy Martin, Cotulla, Texas, is typical of the Indu-Brazilian type that the Martin Brothers are producing. This young bull has excellent Zebu characteristics and his color is a spotted red and white, which is a desirable feature that indicates a pure strain of Indu Brazilian breeding. The Martins have been breeding Zebus since 1946 and have developed a good South American and Mexican market for their bulls.

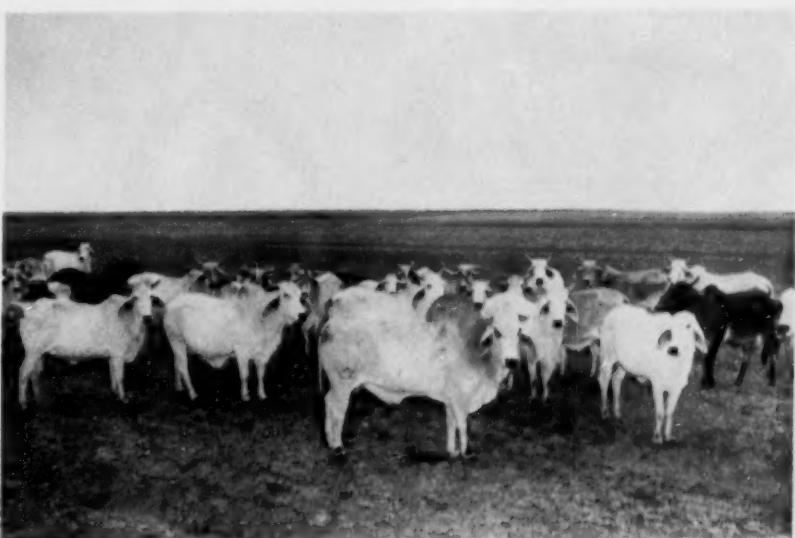


Roy Martin, Executive Secretary of PAZA, illustrates the docility of their Zebu cattle. The bull, a chief herd sire on the Martin ranch, was in a heavy brush pasture in South Texas' worst drought area. He had received practically no supplemental feeding and maintained himself in strong healthy condition through his bred-in ability to survive hardships of climate and temperature.



An Indu-Brazilian cow and baby calf owned by Mr. and Mrs. Stanley Kubela, whose ranches are located at Palacios and Seguin, Texas. The Kubelas own an excellent herd of Red Brahmans and have been consistent winners at the PAZA shows through the years. In the 1957 show held at San Antonio, the champion get-of-sire was a Kubela entry. The Kubela Brahman herd is the result of many years of selective breeding for red color and quality.

One of the original breeders of Indu Brazilian Zebus in the United States is Henderson Coquat, who has been a leader in the growth and promotional efforts of PAZA. He has extensive ranch holdings in McMullen, LaSalle and Webb counties in South Texas, where he breeds Zebu and Charolaise cattle. Pictured is a part of his excellent Zebu herd located on the headquarters ranch near Encinal, Texas. Robert Coquat, a son, is also a Zebu breeder and is the immediate past president of PAZA. His ranch headquarters is also at Encinal.



These cows and calves pictured are a part of 300 registered Brahmans owned by the Cornelius Cattle Co., Markham, Texas. W. D. Cornelius, Sr., was one of the pioneer breeders of Zebu cattle in the Gulf Coast region of Texas and has been breeding Brahman cattle since 1909. Since that time, the Cornelius family has continually improved their cattle and in past years have placed high among the competitive classes in the annual PAZA shows. The company owns a ranch in Matagorda county and has sold cattle to many foreign countries.



A group of top PAZA registered replacement heifers on the Otis Cox ranch near Cotulla. These heifers have known nothing but drouth conditions since their birth and have thrived on the sparse South Texas range with a minimum of assistance. Cox, who is the vice-president of PAZA, has been producing top Indu-Brazilian cattle for many years and is one of the breed's strongest supporters.





Dense growth of Alfombrilla in trailway between Santa Clara Canyon and shipping and loading points.

Alfombrilla Causing Heavy Losses To Livestock In Chihuahua, Mexico

Texas A&M College Specialists Advise Extreme Care to Prevent Variety of Drymary From Being Introduced Across Border

By O. E. SPERRY and A. H. WALKER*

A NEWLY recognized poisonous range weed, alfombrilla, has caused extensive cattle losses in the state of Chihuahua, Mexico, in the past few years. This plant has not been reported in the United States, but extreme care should be exercised that it does not get here. Observers advise that alfombrilla is one of the worst poisonous plants known since it is actually poisonous to sheep and goats as well as cattle in both the green and

dry state. Most poisoning has occurred in the fall and early winter on overgrazed pastures and along trailways with scant forage but may occur anytime the plant is available. Animals die quickly, normally showing drowsiness before death.

This harmless looking, white-flowered, low-growing plant was first determined as the cause of cattle losses by feeding tests in Mexico City and Chihuahua in 1956. Records of losses go back as far as 1923 and 1924 when cattle from the United States were taken to Mexico for pasture. A technical worker in

*Professor and Extension Range Specialist respectively, Dept. Range and Forestry, A. & M. College, College Station, Texas.

Chihuahua estimates that 3,000 head of cattle have been lost on drives through the weed-infested area and from grazing the infested pastures during the past two years.¹

Description

Alfombrilla, *Drymaria arenariooides*, Willd., is a short-lived perennial with profusely branched stems forming a somewhat tufted plant with a tap root. The leaves are more or less fasciculate and linear-lanceolate to narrow elliptic; the flowers are white; the fruit a capsule with dull brown seeds.² Verification of the species has been confirmed by Morton³ and by workers in Mexico City.⁴

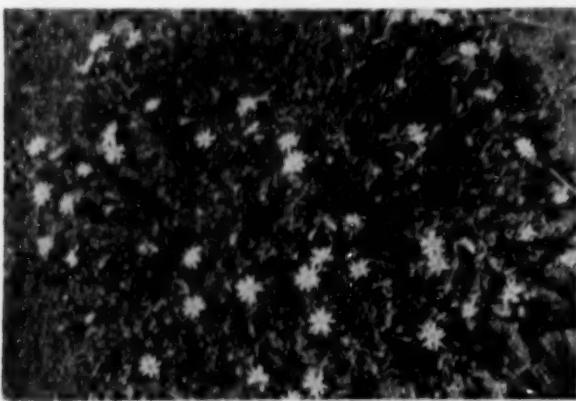
Distribution

Alfombrilla grows abundantly on abused sites north of Chihuahua City, Mexico. The area concerned extends about 70 miles from north to south and is 30 to 40 miles wide on the north and about 5 or 6 miles in width on the south. Plants were observed about 20 miles north of the city and extend as far as 90 miles north. This northernmost point is still about 140 miles south of El Paso. Although a natural barrier exists, extreme care must be exercised that none of the seed of this plant will be transported into the United States by livestock rail and truck movements. Soil types and barren conditions in Texas, New Mexico and Arizona would undoubtedly support heavy stands of this poisonous plant if it were introduced.

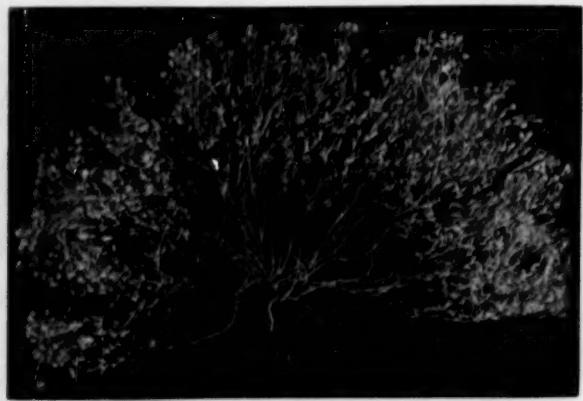
Feeding Trials

Feeding trials conducted by the research workers in Mexico City and Chihuahua in 1955 and 1956 established the poisonous nature of alfombrilla. Chickens, rats, guinea pigs and rabbits died after being fed small quantities of the weed. These tests indicated that feeding .66 per cent to 1 per cent of body weight was fatal to calves and yearling steers.¹ Research in 1956 at the Animal Disease Investigations Laboratory, Marfa, Texas, indicated that feeding 0.1 per cent of the body weight killed a sheep, and all animals receiving as much as .5 per cent of their body weight died.²

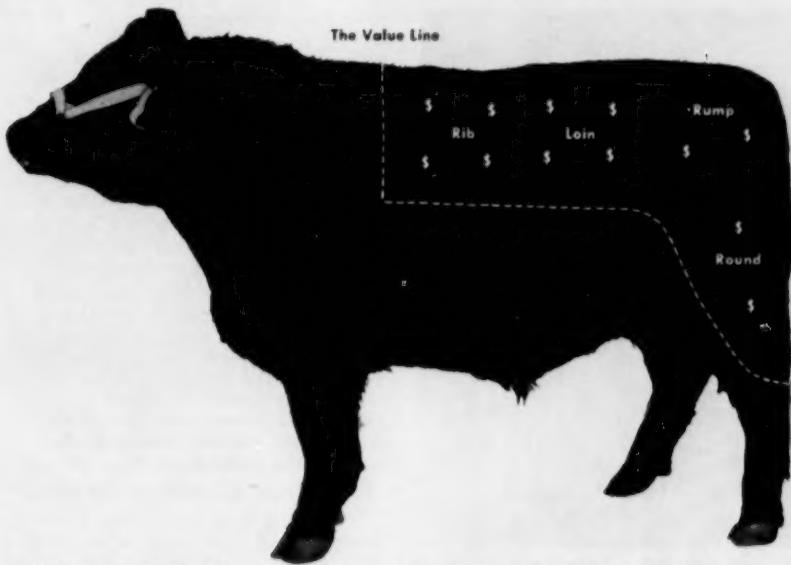
(Continued on Page 60)



A single plant of Alfombrilla to show the plant form and 5-petaled white flowers.



A single plant of Alfombrilla pressed to show branching habit and single tap root.



This 915-pound Senior Calf, judged after slaughter, was named Grand Champion of steer carcass contest at 1956 International Live Stock Exposition. His loin eye measured 12.55 square inches, fat thickness over eye muscle at 12th rib was .63 inch, and marbling score ranked among best. Dotted line indicates the region which, though subject to seasonal variations, accounts for about 75 per cent of total value. Stock breeders could emphasize this region when selecting. Photo Courtesy of Kenneth Fulk

Industry Attacks New Problems in

Beef Breeding Research

Many Agree That The Livestock Producers Must Develop Cattle That Will Convert Larger Proportion Of Feed Into Protein And Less Into Fat

By JERRY SOTOLA and CHARLES E. HUGHES—Reprinted from *Armour's Analysis*

FIFTEEN steers in a prize-winning carlot may look like peas in a pod—and for good reason. Days or weeks earlier, their exhibitor had selected them for uniformity from several times that number in the feedlot.

Yet, when these 15 steers become carcass beef, the salable commodity of the industry, striking differences come to light—differences that affect individual values.

Some have large, well-developed muscles and a relatively thin layer of fat over the rib. Others, which looked like their twins on the hoof, have a significantly smaller proportion of lean, red meat and a thick, wasty layer of fat. And the beef from these look-alike cattle will also vary in the amount of intramuscular fat, called marbling.

Animal husbandry scientists want to know why these differences occur, and how strains of meat-type cattle can be developed. They are well aware, too, that the search for meat-type cattle must be conducted with due consideration for economy and rate of gain, as well as for vigor, fertility and all of the other problems of beef cattle breeding.

Ten years ago the USDA received funds for a vastly expanded program of federal and federal-state beef cattle experimentation. Behind this move was the realization that the future of beef and all products of cattle is closely linked with the quest for improved breeding, feeding, health, marketing and processing. Although these projects are characteristically long range, they already have made many contributions to our pool of knowledge.

In the field of breeding alone, we find some of the liveliest issues of the day—meat-type cattle, performance testing, cross-breeding and dwarfism. All of these issues, and others, will be considered.

MEAT-TYPE CATTLE

The recent round of consumer surveys to check beef grade preferences has triggered a ground swell of self-analysis among people in the beef industry. The question—has production of cattle and beef been attuned to the trend toward leanness in consumer preference?

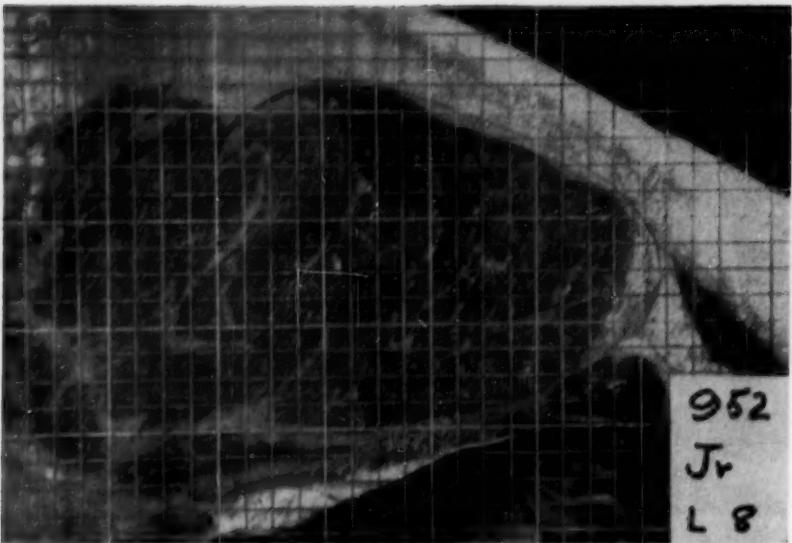
Many people doubt whether preferences have swung as far toward leanness as the surveys suggest, but they do agree that we must develop lines or families of cattle that will convert a larger proportion of their feed into protein and less into fat. The Ohio Agricultural Experiment Station meat specialists, for example, envisage a beef animal that will weigh about 950 pounds when marketed at approximately 16 months of age. The carcass will yield 80 per cent edible portion (the lean plus not more than $\frac{1}{8}$ inch of fat on any surface). The trimmable fat content of this animal's carcass will be no more than 6 per cent, leaving 14 per cent for bone.

Steers Vary Widely in Lean Meat

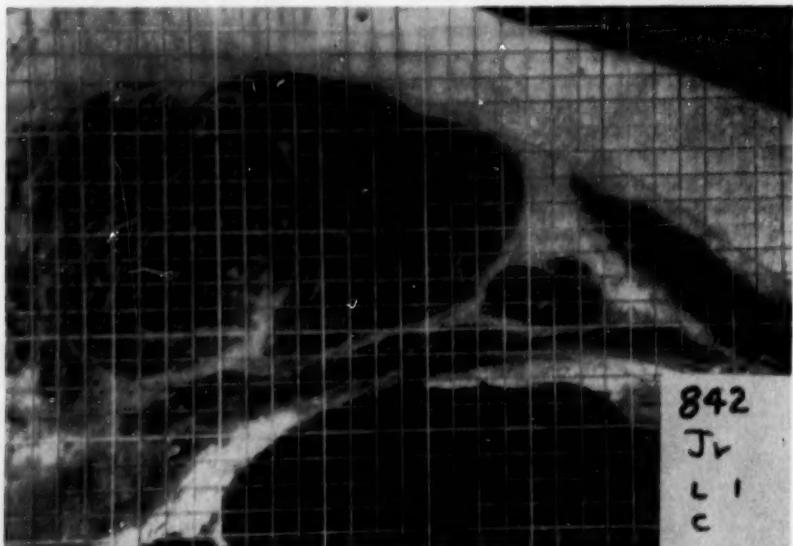
Sporadic research, much having to do with rate and economy of gain, corroborates



Somascope measures rib fat through employment of high-frequency sound waves. Test cattle are prepared by shaving two-inch squares over last right rib, seven inches from vertebral column. Colorado A & M Photo



Here is a loin eye, measuring 14.37 square inches, that went with a first-place winner in one carcass class. Marbling score was second highest. Fat over rib eye measured 1.10 inches. Grid over picture is marked off in quarter inches to facilitate measurement of lean area. Photo Courtesy of Kenneth Fulk



The loin eye above was flat and measured only 10.57 square inches. However, it came from a likely-appearing live steer. Dressed carcass lacked marbling, length of hind quarter, and depth. Photo Courtesy of Kenneth Fulk



Highly-selected steers in 1956 grand champion carlot at International appeared extremely uniform in foot, yet dressed carcasses varied somewhat in loin eye size and still more in fat thickness.

orate the impressions gained through observing show steer carcasses. The Wyoming Station discovered, for example, a startling difference between two steers that had received the same ration and made almost identical gains. One carcass had a rib eye measuring 6.38 square inches of lean and 3.38 of fat, while the other cut 10.69 inches of lean and only 2.75 of fat. At the Oklahoma Station one steer produced nearly 50 per cent more eye meat than another when fed the same and gaining at an equal rate.

Fortunately, the lean meat trait is highly heritable. USDA geneticists, in testing 635 steers sired by 88 bulls, calculated that inheritance accounted for 72 per cent of the difference in eye muscle. Ohio meats specialists found a correlation of .853 between the area of the eye at the 12th rib and the percentage of meat in the entire carcass.

Tests Link Leanness, Rapid Gains

A close tie-in between rapid gains and tendencies of some animals to retain a high proportion of protein and convert it into meaty tissue has been noted by animal scientists at Oregon State College. They observed that slow-gaining calves tend to build body fat at an earlier age.

A urinalysis test showed that the fatter ones gave off 25 per cent more urea nitrogen than the fast-gaining group, when fed a high-protein ration of pelleted chopped alfalfa and concentrates.

Need Measurement Device

Geneticists and animal breeding specialists now are searching avidly for a means of measuring leanness in live cattle. If this is found, headway can be made much more rapidly toward developing lines or families that will consistently convert a relatively large portion of feed into lean muscle.

Varied preliminary success has been scored at the Colorado Station with an ultrasonic device for measuring the thickness of rib fat on live steers and heifers. This instrument, known as a somascope records on an oscilloscope the thickness of fat as registered in terms of linear distance. This distance is measured by time required for high-frequency sound waves, emitted from a quartz crystal, to pass through the fat, strike lean tissue and return.

The time needed to complete a test is still too long for practical application. Furthermore, the present correlation between ultrasonic estimation and actual carcass measurement, while significant, is nevertheless rather low. This work is continuing.

Other aids include antipyrine injections as well as deuterium and tritium oxides. Tritium, for example, shows considerable promise because it is readily obtainable, can be reliably assayed and does not bind with plasma or metabolize rapidly. Tritiated water, injected intravenously into the blood stream, establishes an equilibrium with the water in all tissues and organs of the body. The degree of tritium dilution is measured at equilibrium time, and the fat determined by a mathematical formula.

No Meat-Type Lines Yet

In a nation-wide round-up of research workers, Armour's Livestock Bureau found very few reports of any definite line or family of beef cattle that consistently produces a markedly higher-than-average proportion of lean to fat. Observers at the Colorado Station have noted cattle which produce an extra-large proportion of lean to fat at 900 to 1,000 pounds. These families must be evaluated before multiplication is warranted.

The University of Kentucky has drawn up a proposal to run bull performance tests with a privately-owned herd including 800 Hereford cows. This work would include carcass evaluation of offspring from the faster, more efficient gainers.

What Carcass Contest Shows

Getting back to cattle exhibits, several significant deductions can be drawn by analyzing data from the steer carcass contest, held recently in connection with the International Livestock Exposition. The 1956 contest was modified to lay even greater stress on the kind of beef that consumers prefer.

In nine classes—three from each of the three major breeds—only one first-place winner as a live animal rated the top award when judged as a carcass hanging in the cooler. This clearly indicates that it is quite difficult to see in the live animal what is under the hide; it also re-emphasizes the need for a device or method that can measure fat thickness and lean in young breeding animals so that only the best can be retained.

Loin Eye Size Varies Widely

The variation in size of loin eye was quite pronounced, especially within certain classes. In the junior yearling class of one breed, the largest loin eye was 70 per cent greater than the smallest, while the weight range within the class was only 24 per cent. In all nine classes the percentage variation in loin eye area was greater than in weight range.

The table shows that in only three classes did the first-place carcass have the largest loin eye area, desirable as this factor may be. Sometimes carcasses with a large loin eye lack other important qualities like uniformity of thickness and general balance. More specifically, the rounds may have been flat or the chuck lacking in muscle.

Marbling Important, Too

Marbling probably exerted the greatest influence in the placings, since carcass quality is largely determined by this factor. Often the quantity and quality of marbling caused the judges to place one carcass over another that might have had a slightly larger loin eye.

In six of the nine classes the first-place winner was one of the top carcasses in marbling score. Here again, two steers with the same marbling score, which represented quantity, could differ in the quality of marbling because one might have very coarse marbling instead of a finely dispersed pattern.

Fat thickness was more variable than rib eye measurement. However, the variation in rib eye area probably is more important because the degree of fatness is easier to identify on the hoof. The table reveals that in some classes a

steer with a relatively thick layer of fat over the eye muscle could still win first place, but nearly always had to be well toward the top in marbling score.

Dressing percentage was not a factor in the placing of the carcasses, since

How Carcass Contest Winners Rated on Various Points

Class	Live Weight	Number in Class	Live Placing	Loin Eye Area	Fat Measurement Over Eye Muscle	Marbling Score*
Angus Junior Yearlings	1,100	28	4	1	8	3 (tie)
Angus Sum. Yearlings	1,105	32	14	9	6 (tie)	1 (tie)
Angus Senior Calves	915	14	7	4	2	1 (tie)
Hereford Jr. Yearlings	1,060	13	8	1	10	2 (tie)
Hereford Sum. Yearlings	980	24	1	2	1 (tie)	2 (tie)
Hereford Sr. Calves	1,045	7	6	3	7	1 (tie)
Shorthorn Sum. Yearlings	1,075	16	2	11	15	1 (tie)
Shorthorn Jr. Yearlings	1,080	13	11	7	1	1 (tie)
Shorthorn Sr. Calves	955	8	4	1	5	1 (tie)

*This is largely a quantitative rating.

INTERPRETATION—The 1,100-pound Angus junior yearling at top of column, for example, placed fourth among 28 in the class when judged alive. This animal was first in loin eye measurement in the class, and eighth in thinness of fat over the eye muscle. He was tied for third among the 28 steers in marbling.



This long-bodied Line 1 bull sired a group of steer calves weighing 1,090 pounds at 13 months. They weaned at 453 pounds, gained 2.53 pounds daily after weaning and graded Choice. U. S. Range Livestock Experiment Station Photo



Calves out of native cows bred to beef-type bulls are being tested in Southeastern Ohio to learn whether they can be marketed profitably after weaning at 9 to 10 months of age. Ohio Agricultural Experiment Station Photo



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high yield is associated many times with excessive fatness. Furthermore, the amount of fill was not standardized.

There was a tendency for weight and loin eye size to go together. However, in none of the classes did the heaviest steer have the largest loin eye, but in three classes the lightest live animal had the smallest loin eye area.

Fat and Marbling

The figures also sharply challenge the widely-held belief that fatness and marbling must go together. In only four of the nine classes did the animals with the most fat over the loin eye have a higher average score for marbling than the same number of animals with the thinnest fat layers. In fact, for three classes the marbling score averages were the same, and in one class those with the least fat had a higher average score than those with the most.

A study of the carcass data also revealed a few outstanding individuals. One senior calf, with barely more than a half-inch of fat over the eye muscle, had one of the top two top marbling scores within the class. The same feat was performed by two summer yearlings with slightly less than three-fourths inch of fat.

If borne out in further studies, and put to work in breeding herds, these indications could be of inestimable value to the beef industry in meeting consumer preference. Furthermore, the conversion of feed into a higher proportion of protein, and less of fat, should cut production cost and also reduce trimming expense in the processing plant.

Study Prize Carlot

One prize-winning carlot of steers at the 1956 International Live Stock Exposition presented an unusual opportunity to study the influence of heredity, since the 350 head, from which the exhibitor selected 15 of remarkably uniform appearance, were fed and managed alike.

Figures provided by Kenneth Fulk of the Iowa Beef Producers Association show that the range in eye muscle in 1956 was the narrowest for any year that he has studied. However, among these 15 prime-grading steers, there was still a variation of 26.7 per cent. This compares with 49 per cent in the 1955 grand champion carlot.

By going past the line of ribbed-down steer carcasses, hanging in the cooler, any observer could note a range from approximately $\frac{1}{2}$ to $1\frac{1}{2}$ inches in fat thickness at various points over the rib eyes. Reduced to averages, the fattest steer had more than twice as much fat as the leanest.

Opinions—Some Differ

Along with the concept of meat-type cattle go many questions that parallel those concerning meat-type hogs. One question is whether meat-type cattle, if they become a reality, will gain as rapidly or economically as the type we know today. Most research people contacted by Armour's Livestock Bureau believe that they will do this double job, and

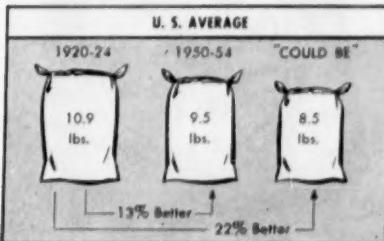
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Widen the gap between feed cost and market with Purina Steer Fatena

To get through today's feed and cost squeeze with a profit, we must widen the gap between market and feed costs. We can't do much about the markets, but we can and must push feed costs down!

CATTLE FEEDERS MUST BECOME EFFICIENCY MINDED

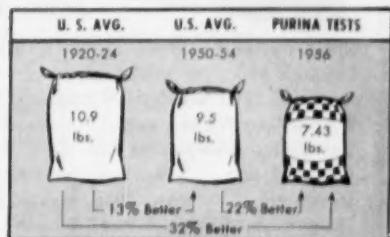
The U.S.D.A. states that feed efficiency has improved only 13% in 30 years (see chart below).



The chart shows that cattlemen could be producing a pound of beef for only 8.5 lbs. of feed... a 22% more efficient job.

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If you are getting average results, the Purina Cattle Program should save you from 1 to $3\frac{1}{2}$ pounds of feed per pound of gain. How much is that worth to you?

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the scientists base their conviction on results with meat-type hogs.

For another question, can cattle be produced with sufficient marbling and grade, but with less of the objectionable outside fat? The steer carcass data already discussed help to answer this question.

Most researchers concur, for they have seen many examples of this fact. The Colorado Station, for example, has one line of cattle that tends to marble very rapidly relative to the amount of outside fat produced.

This is known as the Verde line. In a group of fed heifers considerably greater marbling development, relative to outside fat, was noted, when compared with other groups. In this particular line, the inbreds themselves perform poorly, whereas the crosses do well.

Additional questions over which there is less unanimity of opinion include the following: Does marbling bear a close correlation with tenderness and flavor? Is area of the eye muscle a good criterion of fleshing? Will the so-called swing to trimmer beef come through breeding or feeding? Would a bigger type of cattle, already proven to have a greater weight for age, also fit into our consumer preference pattern as a producer of leaner beef?

Marbling and Tenderness, Flavor

The question of whether a very close relationship exists between marbling and tenderness has aroused spirited debate at sessions attended by research people. Relatively little research has been completed, so far, to establish these relationships.

One or more agricultural experiment stations have found a very low correlation between marbling and tenderness. Others contend that the relationship is higher.

Fatness may be more closely related to juiciness of rare-roasted 9-10-11 ribs than with tenderness of the same cut, according to Texas Station research. The association between fatness and tenderness was not as marked as earlier supposed. It is doubtful whether fatness by itself is responsible for a decided increase in tenderness and juiciness. In one test at another station marbling accounted for approximately 30 per cent of the tenderness, leaving room for many other factors, like age, as important contributors.

As for the effect of age as a factor influencing tenderness, researchers hold that there is an age barrier beyond which no amount of marbling will have much effect. Any of our better beef cattle will have sufficient marbling with a minimum of fat at a weight of 900 pounds or more, and at not more than 15 months of age. These young steers are not required to show much marbling to merit the same grade as older and heavier steers.

On the relationship of marbling to flavor, many discussions have been held, but again with relatively little supporting experimental data. Some researchers hold that flavor probably is not influ-

NEW ZEALAND VARIETY **SORGHUM ALMUM**

Read All About This Newly Discovered Strain Of Grass In The February Issue Of The Cattleman Magazine, Page 42



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- **DROUTH RESISTANT**

Sorghum Almum is the most drouth resistant of any of the forages tested. Grows with a minimum of moisture.

- **RAPID GROWING**

Has been known to grow 2 inches per day. 10 to 40 stalks from one seed. Grows up to 14 feet tall under irrigation and 6 to 8 feet tall on dry land. Solid stem and sweet when kept grazed. Can be grazed about one month after planting or when grass is knee-high without damaging stand.

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It comes back each year from a crown. Has withstood 4 winters in the Texas Panhandle and continues to thrive. It is knee-high on second year growth before sudan can be planted.

- **EASY TO GET A STAND**

Sorghum Almum comes up with force, 4 to 5 days after planting under normal conditions.

- **ADAPTABLE TO SOIL**

Sorghum Almum is adaptable to all types of soil. It is successful under irrigation, on the dry land, and range land plantings.

- **EASILY IRRADICATED**

It can be completely eradicated by plowing crown once or by plowing the volunteer crop once.

- **LIVESTOCK RELISH IT**

The grass is excellent in color, is tender rather than woody and palatable to both horses and cattle.

- **TEXAS STATE ASC APPROVED**

The Texas Agricultural Stabilization and Conservation committee approved the planting of Sorghum Almum as a soil conservation practice and for the Soil Bank program.

RATE AND METHOD OF PLANTING

Listed in 40 inch rows with three 3/16" holes in maize plate enlarged to 1/4" on under side. Is not counter sunk as seed would be wasted. Recommended planting time is May or June. May be planted April to August. One pound of seed per acre. Seeding cost per acre is less than that for native grasses.

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IT'S enough to keep a profit-conscious cattleman awake nights . . . this business of picking *the right protein supplement* for his beef rations. It's a numbers game and an animal, mineral or vegetable game all rolled into one. Do you use animal protein, vegetable protein, or the new synthetics? What's the right % of protein content? How much per head per day? What brand to use?

Of course, volumes on the subject still wouldn't supply all the answers. Too much depends on the herd, the kind of range they're on, and the other ingredients in the ration.

How do you decide about protein supplements? Well, the easy way—and it's a sensible way—is to use one other feeders find successful. To thousands of cattlemen, that's **SUNFLOWER Soybean Meal or Pellets**. Why a soybean supplement? Because livestock nutritionists know there's no substitute for adequate vegetable protein in beef rations. Why Sunflower? Simply because it's *the cream of the soybean crop . . . more than 44% pure vegetable protein guaranteed!* How much? Most Sunflower users say 1 1/4 to 2 pounds per head per day.

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enced by marbling unless one considers juiciness as a factor in flavor.

Eye Muscle and Over-All Fleshing

Area of the eye muscle alone is not a perfect criterion of fleshing. Some people attach more reliability than others to this means of determining the over-all carcass muscling, and Ohio researchers find that the chuck also is quite revealing. However, researchers agree that, at present, the rib eye is our best single standard.

It already has been mentioned in this discussion that USDA tests have indicated that inheritance accounts for 72 per cent of the difference in eye muscle. Consequently, rapid improvement in carcass muscling could be obtained through selection of superior breeding animals with respect to this trait.

Leanness Through Breeding or Feeding?

Most research people hold that any swing to leaner beef should be accomplished largely by the breeding route. On the other hand, one private researcher contends that "meat-type" cattle can be produced merely by controlling the feeding—by letting grass and roughages constitute a greater share of the total ration.

Some researchers suggest that part of our answer to this leaner beef question should come through multiplication of bigger types of cattle which will have more lean and less fat at a given weight.

At first, this concept may seem incompatible with the trend toward smaller cuts. However, that objection is met through the explanation that the greater-weight-for-age animals could be marketed somewhat earlier, and before they reached the heavier, less desirable weight brackets.

Other Beliefs, Findings

Some researchers believe that we may find in certain feed additives an ally in the production of leaner beef. A case in point is diethylstilbestrol, which increases rate and efficiency of gain without a proportionate increase in fat.

Quite recently the USDA announced that tenderness, another desirable quality in beef, had a heritability factor of about 41 per cent. Other factors influencing tenderness are age, sex, management practices and fatness.

The USDA scientists are trying to develop a quick, reliable tenderness test that can be used on live animals. One now being explored involves biopsy samples, in which live muscle tissue is taken for laboratory analysis. This would make slaughter unnecessary, enabling the user to save the most desirable animals as breeding stock.

PERFORMANCE TESTING

"Eyeball calibration" leaves much to be desired when deciding whether a male or female will transmit suitable characteristics. Rapidly winning acceptance, after early resistance, is a procedure known as performance testing. This system is founded on rate and economy of gain, carcass value and the milking ability of dams.

Tests run recently at the U. S. Range

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I'm a Burlington Livestock Agent—and that's a carload of beef cattle, about to be loaded.

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Livestock Experiment Station, Miles City, Montana, showed a \$21 difference in net return above feedlot costs between two groups of steers sired by different bulls. Both sires were of acceptable type, but one had the ability to make rapid and economical gains and he passed it on to his progeny.

Added emphasis is now being placed on carcass quality improvement. Here again, the progeny from bulls of similar type may differ widely in carcass value. Such factors as dressing percentage, shrinkage, proportions of lean to fat, tenderness and palatability exhibit hereditary differences.

Data gathered by researchers at the Colorado Station have enabled them to establish approximate degrees of heritability for traits in percentages, including the following: compactness, .82; quality, .68; and dressing percentage, .24. (A heritability of .82 means that you would get about 82 percent of the amount or degree of the trait for which the selection is made.)

Question Selection Standards

Workers at the U. S. Range Livestock Experiment Station suggest that, in some instances, selection for our present type standards may result in a less desirable product. For example, many producers select for "short-coupled" cattle. Since a high percentage of valuable cuts are down the back from the shoulders to the hocks, this is a questionable practice, say these research people. They add that we may have been placing undue emphasis on development of lower round and other relatively less important areas, without giving enough attention to portions furnishing the best cuts.

Texas was among the first experiment stations to engage in cooperative testing work with breeder-owned cattle. This work has expanded to three locations within the state, where over 5,000 head of young breeding cattle have been tested. Texas now is in the process of forming a Texas Beef Cattle Improvement Association, with representation from all segments of the beef cattle industry.

Recurrent Selection

The Montana Station has adopted what is called a recurrent selection program for improving productivity and carcass quality. The procedure is to select the two top bull calves in the various lines from their bull indexing program. In selecting these bulls, approximately equal emphasis is placed on feedlot performance and their score, by visual appraisal, for quality. Then the two bulls from each of the lines are bred to a randomized grade herd of cows.

The steer calves taken from these matings are fed for 196 days. These animals while still alive are appraised for carcass qualities, and, following slaughter, the carcasses are graded. Various measurements are taken to find the ones with superior carcass qualities, such as large rib-eye muscle and high proportions of flesh in the most valuable wholesale cuts.

The results of these Montana carcass tests determine which bull goes back into



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DYNAFAC FOR FEEDER CATTLE

Test Initiated October, 1956 Duration of Test—109 days

Steers were selected for uniformity and divided into 5 groups receiving 0, 0.5, 1.0, 1.5 and 2.0 grams Dynafac per steer per day. The results are tabulated below.

Dynafac gm./head/day	0	0.5	1.0	1.5	2.0
Average Initial Weight (lbs.)	871	898	880	895	870
Average Final Weight (lbs.)	1133	1158	1172	1216	1214
Average Total Gain (lbs.)	262	260	292	321	344
Average Daily Gain (lbs.)	2.38	2.36	2.65	2.92	3.13
Feed Consumed per 100 lbs. Gain	1103	1067	1016	973	892
Feed Cost per 100 lbs. Gain	\$22.79	\$22.12	\$21.12	\$20.29	\$18.64

Comments: Steers were fed on a standard ration of corn, alfalfa meal, linseed meal, dehydrated alfalfa meal and molasses.

It will be noted that feed efficiency was improved by each addition of Dynafac to the ration.

With the exception of the 0.5 gram Dynafac per steer/day, the total feed eaten was greater for the Dynafac lots. Because of the greater rates of gain and improved feed efficiency, the cost of putting on 100 lbs. gain was reduced--amounting to a saving of \$4.15 per 100 lbs. gain for the group receiving 2.0 grams Dynafac per day.

Dynafac is now available in branded feeds and pre-mixes. Look for it by the name tetra alkylammonium stearate (Dynafac*) on the feed tag--or ask your feed man about it. Armour and Company, Union Stock Yards, Chicago.

*Armour brand tetra alkylammonium stearate. Attention feed manufacturers, Dynafac is distributed nationally for Armour by the Chemical Department, McKesson & Robbins, Inc.—call nearest branch for details.

his respective purebred line to head up that particular line of cattle. It is the feeling of these researchers, based on results so far, that they can make considerable improvement in carcass quality while developing fast-gaining cattle. The result would be a product highly acceptable to the trade and also profitable for the stockman.

CROSS BREEDING

Quite a pick-up has been noted in cross-breeding research. This involves not only two or more breeds of cattle but also the crossing of inbred lines of families within one breed.

Twenty years of inbreeding work at the U. S. Range Livestock Experiment

Station bring out the following observations:

(1) Only outstanding foundation stock can be satisfactorily inbred, and it may take several generations to determine the potential of a line.

(2) A few lines "nick" well with almost any other line of breeding, giving crosses that are superior to both parental lines.

(3) Continuous, strict culling is required to maintain and improve a line.

(4) A bull that is known to produce calves considerably superior to the herd level can be used to advantage for several generations.

(5) Out-crossing bulls from one line on heifers of another line, with which

the first line nicks well, is a good method. To maintain continued hybrid vigor in a rotational system, a three-way cross is recommended.

(6) Inbreeding tends to accentuate bad characteristics as well as the good.

For Warm Climates

In tests between breeds, the Texas Station has pioneered in crossing Brahmans with British breeds, to produce fat slaughter calves for marketing at seven to nine months and weighing from 450 to 600 pounds. The use of crossbred cows bred back to British-type bulls has resulted in a revolutionary change in the state's whole commercial cattle operation for the southern half and Gulf Coast areas.

Crutcher - Wilmot SILVERTOP FARMS HERD DISSOLUTION May 20

**at Fort Worth, Texas
Monday, May 20, 12 Noon**

Selling 28 young polled cows, many with second calves at side by "the 28th" or RHF Domestic Mischief 72d.

20 polled heifers by "the 72d" and JFG Domestic Mischief 198th, selling bred to OK Gold Mine 28th.

30 polled heifers by "the 72d" selling open.

95 horned cows bred to these polled bulls, many with calves at side. These cows represent the breeding of Meritone 2d by Beau Zento 36th, CR Chief Invader 10th, Husky's Lad H. 109th and Publican Domino 108th.

RHF Domestic M. 72d

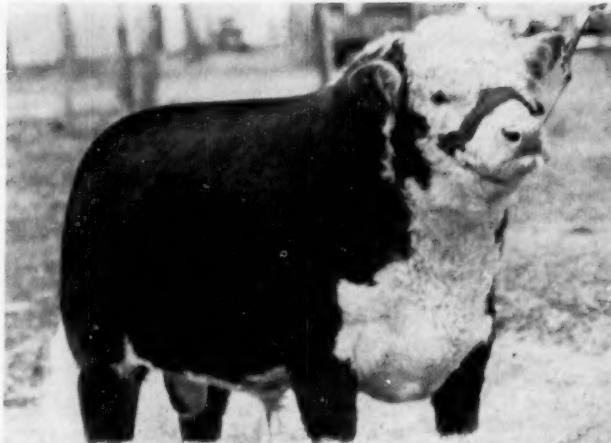
Here is a fine breeding son of Domestic Mischief 46th by the famed Domestic Mischief 6th and out of a Mischief Plus dam. He and his get sell.

JFG Domestic M. 198th

A 1954 son of the Gills' Domestic Mischief 97th out of an Anxiety Woodrow dam. His calves are outstanding for type and beefiness. He sells.

Domestic Mischief 551st

An own son of Domestic Mischief 6th, in 1947 proved herd sire. Many of his heifers sell. He is out of Ima D., polled daughter of Mousel Domino 56th.



OK GOLD MINE 28th, an outstanding young sire by the Register of Merit polled bull Gold Mine and out of a Club Domino cow, calved in 1953. Not only "the 28th" sells here, but many females carry his service or have his calves at side.

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The adaptability of beef cattle to the hot climate of Imperial Valley has undergone extensive study at the California Station. Cross-breds with 25 per cent Brahman and 75 per cent Hereford blood are being compared with straight Herefords. The purpose is to find whether this amount of Brahman blood is the optimum for inducing heat tolerance without sacrificing the desirable beef characteristics of the Hereford breed.

Cross-breeding resulted in a significant increase in the 180-day weights of calves in trials at the Florida Everglades Station, where various crosses are being tested for adaptability to subtropical climates. Brahman-Devon and Brahman-Angus crosses were used.

For Cooler Climates

Brahman-Hereford crossbreds did not measure up to Herefords in wintering gains or in carcass grade in Eastern Oregon tests conducted by the state agricultural experiment station. In these comparisons, the crossbreds outdid the Herefords on sagebrush range and gained about as well in mild winter weather, but they fell short of the straight Herefords under severe winter weather conditions. These differences in gains apply entirely to crossbred steers, which seemed more nervous than the crossbred heifers and were inclined to dissipate more heat energy. Brahman-Hereford steers and heifers averaged to gain more rapidly on summer range.

The dressing percentage of crossbred carcasses was a trifle higher than for the Herefords. However, they averaged approximately one grade lower because of lack of fullness in the round, less evenness in fleshing and relative lack of plumpness.

The Ohio Station has a project designed to find whether the native cows of mixed breeding, rather common in Southeastern Ohio, can be bred to beef-type bulls and produce calves that will bring attractive prices at nine to ten months when sold for slaughter at weaning time. Types of matings used in these tests include the Hereford-Hereford, Hereford-native, Angus-native, Brahm-



Snapshot of part of the open polled heifers. They all sell. You can buy foundation and herd replacements of this kind at your own price May 20.

**175
LOTS**

The well-known Silvertop Farms herd at Dallas, Texas, owned by Dr. H. K. Crutcher and Bob Wilmut, will be dispersed on Monday, May 20, at the Fort Worth stock show earlot bull barn, in order to dissolve this partnership. The Dallas farm has been sold and the herd must go. We have maintained this good horned herd for a number of years with Beau Zento, Real Prince Domino and old line Publican Domino blood. Three years ago we began breeding some outstanding Polled Hereford herd sires to these cows and the results have been most pleasing. Now all this program is being offered to you.

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POCO DAWSON (5-5-56), stud colt by Poco Bill. Well bred and good prospect. Registration applied for.

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man-native, Santa Gertrudis-Shorthorn and Charolaise-native.

So far, the average daily gain of most crossbreds has been higher than for straight Hereford calves, while the market price has averaged about \$1.00 per hundred-weight lower. One reason for these faster gains, aside from the hybrid vigor derived from cross-breeding, is the extra milk given by the native dams which have some dairy breeding. The work has demonstrated that it is unwise to place calves from native cows on feed after weaning, for they will take on more and more the characteristics of their dams, with resultant market price penalties.

COMBATING DWARFISM

An increase in dwarfism has put fear into the hearts of cattle breeders and multiplied the number of research projects directed toward a solution. Though still of relatively small economic importance, the increase in dwarfism has been hastened by the appearance of a new type, the "snorter" dwarf.

The "snorter" is characterized by its short, compact body, bulging forehead, prominent eyes, protruding lower jaw and tongue, and a low-hanging head. There is a strong suspicion that this kind has been multiplied by mistakenly selecting the blocky "snorter" calves of better type for show type.

How "Snorters" Produced

This kind of dwarf usually is created through the mating of two carrier parents, each having a gene for normal calves and a recessive one for dwarfism. Out of these matings will come about ¼ dwarf calves, many of which live to reproductive age. A carrier bull conceivably could sire several normal calves when bred to carrier cows because of the probability that only one out of four calves will show up as a dwarf.

From observations of a dwarf herd of 135 in California, the conclusion has been reached that there are still other types of dwarfs, not easily recognized but regarded as unthrifty. These may overlap the normal individuals in size and appearance.

Ways to Avoid Dwarfism

The current recommendation, where herd size warrants, is to set aside enough carrier cows to make reasonably certain that a newly-purchased bull is clean. Only clean bulls would be used on the pedigree cows.

Discrimination against close relatives of identified dwarfism carriers also is advocated. The probability of these relatives being carriers is as follows: 100 per cent for a parent, 67 per cent for a brother or sister and slightly over 50 per cent for a half-brother or half-sister.

Nearly all of the researchers maintain that the "snorter" dwarf is of genetic origin. However, the California Station reports an "acorn calf" that may result from a Vitamin A deficiency. One organization engaged in private research advances the nutritional theory for dwarfism, citing weakened sperm cells,



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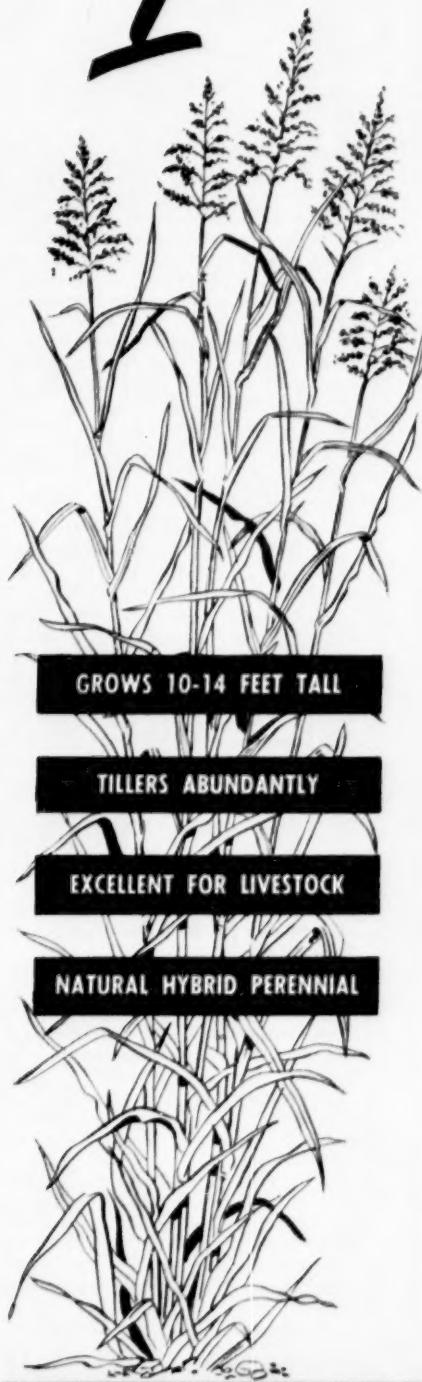
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chemical changes in the dam, and mineral and vitamin deficiencies.

Dwarfism Carrier Tests

Methods of identifying carriers are falling far short of perfection and they include the following six: (1) The profilometer test, involving head measurements; (2) X-ray readings of lumbar vertebrae; (3) blood tests, involving insulin injections; (4) urine tests; (5) endocrine tests; and (6) cerebral spinal fluid measurements.

The profilometer tests for bulls, although released for practical use, has tended to incriminate more than the normally-expected number. The same objection is raised over the X-ray method.

On-the-farm, trials with the blood test, using insulin injections, are now proving successful under practical conditions. University of Missouri researchers, in recent checks involving 175 animals, have found highly significant differences between carrier cows, pedigree-clean cows and dwarf calves. The insulin brings about a strong, swift increase in the number of white blood cells in the blood stream of pedigree-clean animals, while the white blood cell count of a dwarf under insulin stress increases very little and at a comparatively slow rate. The response is intermediate for carriers.

BREEDING FOR SPECIAL CONDITIONS

Whether cattle of the same genetic type are suited for production under all management systems is a question that needs a more complete answer. For example, is the type that performs well with a heavy grain feeding in dry lot equally efficient as a Utilizer of pasture? Many beef research men believe they are, while some have their doubts.

Limited research points to the affirmative. In a test at the Virginia Station, bulls selected for high feedlot gains and others for low feedlot performance were bred to a randomly-selected group of cows. Steers sired by the better-doing bulls made faster gains in dry lot. Heifers from these matings, grazed for one season, showed a slightly less positive relationship to the gaining ability of their sires.

Somewhat the same results were obtained at the Bluebonnet Farm in Texas. Steers from different sires were randomly-separated into two groups, one being self-fed a high concentrate ration and the other a high roughage ration.

In Montana research, sires that make the most rapid and efficient gains as calves in the feedlot likewise do the same as yearlings on good range.

At the Dixon Springs branch of the Illinois Station, lines of Hereford cattle are being bred for better pasture utilization, more rapid growth and earlier fattening. The purpose is to utilize more fully the pastures of Southern Illinois.

Some work, involving identical twins, is contemplated by the U.S.D.A.

OTHER BREEDING RESEARCH

A practical way for detecting whether cows have been settled would be of untold help to stockmen. Hormone imbalance is cited as one cause of repro-



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ductive failure; yet the amounts of various hormones required for reproduction are not known. Cattle secretions contain both estrogenic and non-estrogenic substances which behave similarly and are difficult to separate.

In tests with dairy cows, which should be applicable to beef herds, Montana Station researchers have noted that during the first 100 days of pregnancy the estrogenic activity of the urine is low but later tends to increase. If a cow has failed to settle, this estrogenic activity remains fairly constant. The estrogenic level is determined by measuring its fluorescence, which is proportional to the concentration of estrogen.

Artificial Breeding

Overcoming the obstacles that limit the use of artificial insemination in beef herds has presented a constant challenge to animal scientists. Already, this practice is finding limited use in South Dakota, Nebraska and Oregon.

California research workers are experimenting with progesterone to synchronize the estrus cycle and bring a large number of range cows into heat at approximately the same time. Other researchers have made limited tests with vasectomized bulls, turning them into the herd at the start of the breeding season and thereby enabling range riders to spot the cows in heat.

Wisconsin investigations have developed frozen semen to a point where dairy cows now can be bred with semen from outstanding bulls that have been dead for several years. This has entailed years of trial and error with egg yolk dilutions, chilling, the application of glycerine and a thermo jug capable of holding constant an extremely low temperature.

Owners of purebred beef herds in Iowa recently have tried frozen semen. Several have used the commercial bull stud facilities to have semen from their own bulls frozen for future use. Some researchers predict that range men eventually will buy enough preserved semen from reputation herds to last through the entire breeding season.

Enough has been presented to reassure us that science is striving to close any gap that may exist between beef breeding and similar efforts with poultry and swine. Everyone in the beef industry must be alert to these advances if they expect to meet consumer preferences and maintain their economic position in this competitive world.

The shack creaks, and the roof leaks
Snow is blowing, and the weather is cold
Grub is getting low, and I'm getting old
I'm a stubborn old critter, lost without
hope

Like a scared doggie, at the end of his
rope

Wolves have driven most of my cattle
away
And my old hound—they got him yesterday

The mortgage gets bigger each year,
And only the Lord knows the story here
Things are bad out my way
But I'm sending you my subscription
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—Bill Workman, Omaha, Nebraska

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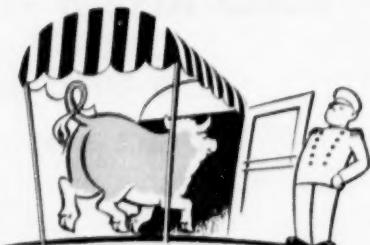
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CHUCKWAGON

By CHARLIE, the cook



"It ain't th' onions in th' cookin' that's makin' me cry—
It's th' COOKIN'!"

WE THOUGHT that our friends 'way out in California went in for fancier table fixin's than most of the basic and fundamental items of pure-dee Southern cooking, but when we received a letter of inquiry from Mrs. Anna McCarter of the Chimineas Ranch, near Santa Margarita, Calif., we realized that such is not always the case.

For Mrs. McCarter has asked if we can rally 'round with one of the most simple and basic recipes of Southern origin—one for real, sure-enough old-timey Hoe Cake, the kind the field hands used to bake on their hoes when taking the noontime siesta in the cotton patches.

And, since a revival of this delectable item of plantation cuisine is always worthwhile from time to time, we're going to set down the formula here in case anybody in climes outside of California might be tempted to bake up a batch.

We would suggest, however, the use of a griddle rather than a hoe as the most satisfactory baking utensil, the hoe being a bit unhandy around the average kitchen range. So, make that Hoe Cake like this:

INGREDIENTS: One cup of white corn meal; half a teaspoon of salt; half a cup of milk or water; salt pork drippings, butter — (and could any ingredient be simpler?).

METHOD: Mix the corn meal, salt and enough boiling milk or water to make a batter which won't spread when dropped on a griddle. Grease griddle with salt pork drippings and drop the batter on the hot griddle, making each cake about half an inch thick. Cook slowly and when browned put fourth a teaspoon of butter on each cake, then turn and brown the other side. Or, cook it this way: place the batter on the griddle in one large cake and as soon as it is browned on one side turn the cake onto another freshly greased griddle to brown on the other

side. Now, take a knife and peel off the thin brown crust, place on a hot plate and spread with butter. When another brown crust is formed, turn the cake again, remove and butter the crust and continue the process until the crust is all browned —serving the crisp buttered crusts piled together and cut into sections.

The best way to improve this recipe is to double or triple the original ingredients.

* * *

Just as we were about to admit defeat in providing the prescription for an unusual meat dish requested last month by Jimmie Richards of Fort Worth, a plausible clue to fixing the same arrived from Mrs. Mike Valentine of Morse, Texas.

Mrs. Valentine says that, alas, she doesn't know the name of the concoction, either, but that the dish is Mexican in origin, and the peppers and lemon juice in it are sufficient to cook the raw beef it contains and turn the meat white. Goes like this:

INGREDIENTS: Three-fourths pound of boiled ham; one pound of round steak put through a food chopper three times, and then grind into the meat; eight ounces of Kosher dill pickles; three-fourths pound of cheese (try plain American); two medium onions; two cloves of garlic (or to taste); five to 10 pods of green chili peppers; 10 canned Jalapeno peppers; adding to all the juice of two lemons and half a pint of mayonnaise (or to taste).

METHOD: Just mix well and keep in the refrigerator.

* * *

And here's another helping hand on the same subject — Mr. J. E. Holmes, Jr., of Seymour, Texas, who says like this: "I thought every true West Texan had the recipe Jimmie Richards asked for. I've been eating the dish for nearly 50 years and here's how it's made:



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Tom Adams for
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HILL COUNTRY HEREFORD ASS'N

J. D. Jordan, Secretary
Mason, Texas

INGREDIENTS: Two and a half pounds of lean ground steak with no fat or muscle; three medium-sized fresh tomatoes; three medium sour pickles and the same of onions; cayenne pepper, black pepper and salt to taste; juice of one and a half lemons.

METHOD: Run all the ingredients but the lemon juice through the food chopper, using the medium blade. Put in a bowl, drop in two raw eggs and stir up, making sure it's all mixed thoroughly. Put the lemon juice in this mixture and stir up real good. Then set the whole thing in ice for four to six hours. Either

The Cattlemen

May

pour off the fluid on top or mix it all again before serving.

"This fluid on top is tomato juice and not blood," adds Mr. Holmes. "This is a fine dish to serve with crackers."

Our thanks to Mr. Holmes and Mrs. Balentine for the assist.

We might say that we're sure enough stumped on the next one—a letter in which Mrs. J. D. McMath of Paoli, Oklahoma asks: "Will you give me a South of the Border recipe for chili?"

We're stumped because, as far as we know (from extensive on-the-spot re-

search in various Southern Republic states) chili, as we've come to know it, is just about as foreign to Old Mexico as would be broiled Paris snails in such beefsteak-and-potato towns as Amarillo and Cheyenne. Certainly, that so-called 'Sopa' that Mexican cafes set before the wayfarer ISN'T chili.

Orthodox chili being of Texas or Arizona pedigree, we hasten to add this 'North of the Border' recipe to those which have previously appeared in the column, the while assuring Mrs. McMath that it is one of the best:

INGREDIENTS: Two pounds of ground or coarsely chopped beef; half a pound of suet; two cloves of garlic, chopped fine; four tablespoons of chili powder; half a teaspoon of ground red pepper; half a teaspoon each of powdered marjoram and ground comino (and that comino is important); two tablespoons of paprika; about two teaspoons salt; four to six tablespoons of cracker meal.

METHOD: Get beef that is without fat or gristle. Fry out the suet, remove cracklins and saute meat over high heat, stirring constantly, until gray. Add a quart of water and simmer for a couple of hours, then add all the dry ingredients except the cracker meal. Simmer for 15 minutes more and add garlic. After simmering another half hour remove from heat and add the cracker meal for whatever consistency desired. If cracker meal thickening doesn't absorb all the red grease skim off what remains on top. Add your favorite beans—pinto, kidney or reds—before serving.

* * *

For this month's Vegetable Corner we're inclined to speak a good word for Asparagus Pie, which is something sorta new and makes an appealing dish when you follow these directions:

INGREDIENTS: One large bunch of fresh asparagus (about two and a half pounds); one and a third cup of water; two-thirds cup of evaporated milk; one large bay leaf; four sprigs of parsley; four thin slices of onion; a pinch each of thyme and marjoram; six peppercorns; three eggs slightly beaten; a three-ounce can of deviled ham; a 10-inch pie shell baked 10 minutes; half a cup of grated Parmesan cheese; half a cup of fine buttered bread crumbs.

METHOD: Prepare asparagus by washing well and cutting off the tough weedy ends of the stalks. Now lay stalks in shallow pan and cook covered in one-inch of salted boiling water from 10 to 15 minutes. Drain asparagus and cut into one-inch pieces, then set aside until later. Combine water and evaporated milk with bay leaf, parsley, onion, thyme, marjoram and peppercorns, simmer for 15 minutes. Combine the eggs and asparagus and strain the hot milk mixture into the asparagus. Spread ham on bottom of pie shell and cover with asparagus mixture. Sprinkle with Parmesan cheese and bake at 350-degrees for half an hour, or until set. Spread bread crumbs over top of the pie about 10 minutes before it is done.

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Gatesford Polled Hereford Dispersion Averages \$905

SUMMARY

38 Bulls	\$ 68,275; Avg.	\$1,797
210 Females	156,055; Avg.	743
248 Head	224,330; Avg.	905

THE Gatesford Place Polled Hereford dispersion attracted a large crowd of buyers from 20 states to take advantage of the Gatesford breeding and the large offering of cattle. Demand was good throughout the two-day sale and the high average made on 248 lots marks it as one of the top sales of the year.

Gatesford Gold Mine, a five-year-old son of the Register-of-Merit Gold Mine bull owned by Orville Kuhlmann, North Platte, Neb., was the top selling animal, going for \$15,000 to John W. Mettler, Jr., East Millstone, N. J.

The second top bull was Gatesford Nu Gold, a Dec. 1954 son of Gay Hills Victor, outstanding herd sire at Gay Hills ranch. He sold for \$8,700 to T. W. Bryant, Dalton, Ga. CMR Advance Rollo 19th, a 1950 son of CMR Advance Rollo sold at \$5,000 to Dr. Robert L. Shuffett, Greensburg, Ky.

Pleasant Point Plantation, Beaufort, S. C. purchased the top selling female in the sale and was also one of the heavy buyers. Gatesford Blanche Domino, a 1952 daughter of RCR Advance Larry and out of a daughter of CMR Rollo Domino 12th, was the top cow selling for \$5,500. She had a good bull calf at side. Millcreek Valley Farms, Johnstown, Pa., purchased the second and third top females at \$4,050 and \$4,000. They were DM Rollo Domino 1st out of a Circle M. Adv. Domino cow, and a four-year-old daughter of DM Rollo Domino 1st out of a CMR Rollo Domino 12th dam.

Auctioneers included Jewett Fulker-son, Walter Britten and Bill Pace.

Indu-Brazil Cattle

(Continued from Page 33)

vival and evolution of these cattle in India through hundreds of years of extremes in climate and topography provided them with a hardiness and stamina that is passed on to their offspring. The purity of blood in Zebu sires assures the maximum in hybrid growth and vigor when crossbreeding with native American cattle.

In the few short years that Indu-Brazilian cattle have been in the United States, they have proved their ability as beef producers with universal adaptability. The Zebu strains have been bred into hundreds of thousands of U. S. cattle, which have produced a beef animal unmolested by climate; superior as a rustler; and is an efficient forager, with the added ability to convert poor roughage into high quality beef. The infusion of Zebu blood into American cattle has had a marked influence on the nation's beef industry and today more and more cattlemen are using PAZA registered herd sires in grading up their herds.

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Alfombrilla

(Continued from Page 36)

**Conditions of Alfombrilla Poisoning
In Mexico**

The largest losses which have occurred in Chihuahua have been cattle, mostly steers being moved into or out of the Santa Clara Valley area. Since trucking in or out of this area by way of Chihuahua is not feasible, cattle are trailed across country by way of Santa Clara Canyon to loading and shipping points north of Chihuahua. The railroad and highway from Chihuahua to Juarez parallel and the shipping and loading points are Parrita and Ojo Laguna approximately 50 and 60 miles north of the city of Chihuahua. The trail area between Santa Clara Canyon and the loading points has been used for many years in this way; consequently it is badly over-grazed and heavily infested with alfombrilla. The most severe losses in 1955, which culminated in the recent investigations, were 248 head out of 700 in October and 100 head out of 500 in November. An estimated 500 were lost in the 1955 drives. Since it has been found that well-fed, watered and rested cattle do not take the weed as readily, the driving losses in 1956 have been somewhat controlled. One record in December 1956 was 56 out of a herd of 332 calves trucked to Ojo Laguna and trailed by way of Parrita to Santa Clara Canyon. Over 1,700 were trailed in five bunches from Ojo Laguna to the canyon from the same herd without loss. Rest, feed, water and careful handling made the difference. At least 12 ranches in the problem area have certain sites infested with alfombrilla as well as other toxic species and most of these ranches have suffered severe losses. The 3,000 head figure for 1955 and 1956 is based on all losses concerned both in the drives and on the ranches. Alfombrilla is not known to occur in the Santa Clara area proper. In fact, this area is an excellent grama

grass range area which produces many of the beef animals which reach the U. S. markets.

Control and Management

Good range and livestock management is the most practical method of controlling losses from alfombrilla. Some initial work with formulations of 2,4-D indicate a top kill but repeat treatments probably will be necessary for a high percentage of root kill. Since this poisonous plant increases with over-grazing and range misuse, deferred grazing to give the better grasses an opportunity to crowd out this plant is advisable. Animals to be driven across infested areas should be fed well, rested and watered before crossing these areas. The plant is apparently rather unpalatable and eaten only in the absence of other forage. On localized sites the plants should be pulled before flowering as a method of control. In general, treatment of affected animals has been unsatisfactory.

Related Species

Four species of drymaria which occur in Southwest Texas are Slender drymary (*Drymaria gracilis*); Slimleaf drymary (*D. sparguroides*); Thickleaf drymary (*D. pachyphylla*); and *Drymaria tenella*. The most important of these is thickleaf drymary or inkweed, which has caused numerous losses in the Trans-Pecos area of Texas and New Mexico.^{4,5} However, this plant is an annual and grows in the more moist conditions of the dry range areas.

A large number of species of the genus *Drymaria* are known for Southwestern United States and Mexico. Approximately 70 species are known for North America, over 50 of them in Mexico.⁶ At least four species are known or listed as poisonous to livestock. Since two, alfombrilla and thickleaf drymary, are established killers on a large scale, many of them can be suspected as potential problem plants in the areas concerned.

Acknowledgments

This report has been made possible through the cooperation and assistance of Ing. Armando R. Raynal, rancher; Joseph L. Hearn, Jr., Técnico Agrícola; Dr. Blas B. Ibarra Montiel, veterinarian and Sr. Vicente Medina, Rep. Dow Chemical Co., all of Chihuahua. The Union Ganadera Regional de Chihuahua and many of its members were instrumental in arranging a trip into the area and a meeting with the ranchmen. The first toxicity tests and continued studies were through the interest of Dr. Federico Rubio Lozano, Secretary of Agriculture and Livestock with the Institute of Livestock Investigations of Mexico. To these and others who furnished information, the authors' appreciation is expressed.

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The Cattlemen

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Looking Back

Through the Pages of *The Cattleman*

(May, 1917)

Plans for the reorganization of the National Feeders and Breeders Show at Fort Worth under the name of the Southwestern Exposition and Fat Stock Show were perfected at a meeting of directors during the past month. The board of directors of the new organization is composed of Marion Sansom, president; S. B. Burnett, William Monnig, Ben J. Tilar, Van Zandt Jarvis, Sam Davidson, George H. Clifford, A. B. Case and C. C. Gunn, secretary.

Following a declaration of war against Germany (April 6), President Woodrow Wilson issued a message to every American citizen which included an appeal to farmers to plant abundant foodstuffs, admonishing them that upon the farmers largely rests the fate of war.

Secretary of Agriculture Houston, in a letter to President Wilson, urged that Congress grant authority to fix minimum prices on food products in order to augment production, especially of meats.

During the month of April, inspectors for the Cattle Raisers Association of Texas recovered for members 505 head of cattle.

Cattlemen were generally of the opinion that Governor Ferguson made a serious blunder when he vetoed the appropriation to pay bounties on jackrabbits. Cattlemen claim that three grown jackrabbits will eat as much grass as a sheep.

(May, 1927)

The USDA is supervising the grading and marketing of two classes of meats—price and choice beef cuts—under an order effective May 1. The National Live Stock and Meat Board is directing the work, which is being inaugurated in nine cities where there are packing plants and a large consumption of beef.

A study conducted in North Central Texas for four years shows that ranches that have lost money outnumber those that have returned a profit. Of 40 ranches studied, 15 made a profit of about \$3000 and the remaining 25 lost a little over \$7000. High interest rates, short-term loans and small calf crops, due principally to unfavorable range conditions, are blamed for the poor showings.

(May, 1937)

Through an emergency appropriation from the Texas Legislature, the Livestock Sanitary Commission has launched a final drive on fever tick infestation in 14 southeast Texas counties.

J. R. Scott, Beeville, was elected president of the newly formed South Texas

Breeder-Feeder Association. Holman Cartwright, Houston, is first vice-president; Claude E. Heard, Corpus Christi, second vice-president, and Paul Russell, Beeville, secretary.

Governor Allred of Texas signed two bills sponsored by the Texas and Southwestern Cattle Raisers Association. One fixed the term of office of the Livestock Sanitary Commission of Texas at two, four and six years for the first appointments and each new appointment at six years. The other bill regulated livestock auction rings.

(May, 1947)

The American Hereford Association reports that the 5,000,000 mark in registrations was reached April 12 and that numbers 5,000,000 and 5,000,001 would be reserved for Hereford champions at the American Royal and International livestock expositions.

Col. Arthur W. Thompson, nationally known livestock auctioneer, was honored by the Block and Bridle Club of the University of Nebraska for his "constructive work for better livestock" when his portrait was hung in the portrait gallery at the club.

Highland Hereford Breeders Re-Elect Jim White President

THE Highland Hereford Breeders Association held its annual meeting in Marfa March 28 and re-elected Jim White, Marfa, president. Keesey Kimball, Alpine, was re-elected vice-president; and A. Forrest Hope, Marfa, secretary-treasurer.

New directors are Rust Largent, Marfa; Fritz Kahl, Fort Davis, and Alfred Negley, San Antonio.

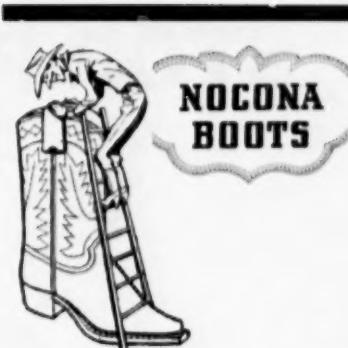
The association presented its annual soil conservation award to Mrs. George Dallman, who ranches on 21 sections east of Alpine and raises choice commercial Hereford calves.

A special award was presented to Joe T. Lane, Marfa, for his work on the association's second annual bull sale.

President White told the members that the association is working to have the Marfa-Alpine-Fort Davis area given a modified accreditation as a brucellosis-free area to simplify concurrence with the new federal brucellosis regulations. He said veterinarians and others have told him they do not know of any case of brucellosis in female beef cattle in the Highland area and that there is a fair chance the area will be able to qualify although it will entail much work and full cooperation of Highland ranchmen.

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<input type="checkbox"/> Gyro 66 or 57 Shredders (Pull-type)	<input type="checkbox"/> B & W Row Weeder	<input type="checkbox"/> Heavy Duty 3-Way Ditcher-Terracer Blade
<input type="checkbox"/> Gyro 66 or 57 Shredders (Lift-type)	<input type="checkbox"/> No. 7 Angledozer (Row Crop Tractors)	<input type="checkbox"/> Model "I-H" Whirlwind Terracer
<input type="checkbox"/> SC-80 Rotary Mower	<input type="checkbox"/> Dump Type Rake	<input type="checkbox"/> Model "F" (3 pt. lift) Whirlwind
<input type="checkbox"/> E-60 Clipper	<input type="checkbox"/> Hudson Automatic Row Marker	<input type="checkbox"/> "Sur-Stan" Press Wheel

"Make Pay Dirt Pay More — Join Your Soil Conservation District"

Fort Worth Stock Show Most Successful Ever Held

W. R. WATT, president of the Southwestern Exposition and Fat Stock show reported at the annual membership meeting of the exposition held in Fort Worth April 14, that the 1957 show was the most successful ever held despite the worst period of weather in its history. Inclement weather set in the day of the opening parade and lasted almost a week of the 10-day show. The last three days, however, broke all records for attendance, Watt said.

January 24 through February 2 were dates set for the 1958 show.

All officers except treasurer were re-elected. Watt is president, Amon Carter, Jr., chairman of the board, F. M. Dougherty, vice-president and Raymond E. Buck, secretary. George Thompson, Jr., president of Continental National Bank was elected treasurer succeeding Estil Vance, president of Fort Worth National, following the custom that the office of treasurer rotate among the national banks in Fort Worth.

Eight new members were added to the board: W. L. Caraway, Weatherford, and J. H. Chowning, August C. Esenwein, Harvey Gaylord, W. O. Jones, A. P. Rowland, L. N. Wilemon and Glen Woodson, all of Fort Worth.

W. A. King, assistant manager of the show and general livestock superintendent, reported that the 1957 show broke all records for the number of livestock entries. He reported that 8864 entries from 30 states were represented. In 1956 there were 7803 entries from 33 states.

Douglas B. Mitchell, assistant manager and horse show superintendent, reported that horse entries came from 25 states and Saudi Arabia and that the Fort Worth show ranks as one of the most outstanding horse shows in the country.

Resolutions were adopted in memory of two directors, Sam C. Arnett, Lubbock, and Glenn Allen, Monahans, who had died since the last annual meeting.

McSherry Heads New Mexico Hereford Association

G. X. McSHERRY, Deming, was elected president of the New Mexico Hereford Association at its annual meeting held in Albuquerque March 24. McSherry succeeds Deming Doak of Gladstone who had served two full terms.

John Easley, Lovington and Billy Sykes, Ft. Sumner, were elected vice-presidents. Al W. Woodburn, Roswell, was reelected secretary-treasurer and Parley Jensen, was renamed executive secretary.

Four new directors were elected: Billy Sykes, Howard Hampton of Logan, Don Harkness of Raton and W. O. Dunlap, Jr. of Tatum. J. C. Neafus of Newkirk was reelected after serving an unexpired term of one year.

New Mexico Cattle Growers Meet

Large Crowd On Hand Despite Severe Snowstorm—All Officers Reelected

DESPITE a devastating storm that wiped out more than 12,000 cattle in the area and caused huge loss of human life, a large crowd was on hand for the 43rd annual convention of the New Mexico Cattle Growers Association held in Albuquerque, March 24-26. Speakers appearing on the program, as well as all convention business, held the storm to be the most important problem facing the industry. In final convention action, the association voted to conduct a survey of the disaster area and take immediate steps to secure whatever aid necessary to relieve the situation.

All officers were reelected for a second one-year-term. Officers are: Dick Snyder, Clayton, president; W. I. Driggers, Santa Rosa, Phil Harvey, Carrizozo, Giles Lee, Buckeye, and Reuben Pankey, Truth or Consequences, vice-presidents; and E. O. Moore, Jr., secretary-treasurer. Horace Hening, Albuquerque, was renamed executive secretary for his 16th year.

The board of directors, which includes association officers were reelected: Noel Rankin, Cliff; A. D. Brownfield, Deming; Robert C. Cox, Winston; George A. Godfrey, Animas; Albert K. Mitchell, Albert;

Mrs. Earl T. Smith, Raton; Carl Johnson, Jr., Lovington; Anderson Carter, Portales; J. L. Davis, Cimarron; T. A. Spencer, Three Rivers; Sherwood Culberson, Lordsburg; Sam D. Steele, Ft. Sumner; Andrew Chitwood, Clovis; G. W. Evans, Magdalena; E. G. Hayward, Cimarron; Mrs. Roy Forehand, Carlsbad; Lee S. Evans, Marquez; Ed Heringa, Clayton; and Robert H. Royall, Silver City.

Albuquerque was selected as the site of the 44th annual convention.

Resolutions adopted at the closing session of the convention included the following:

Urged the government to set up adequate livestock credit during present period of depressed prices at reasonable rate of interest;

Recommended passage of S-434 to insure maximum control and review of government expenditures by Congress;

Opposed mandatory legislation regarding humane slaughtering methods until more acceptable and economical methods are developed by the industry;

Urged New Mexico State Highway Commission to give consideration to proper underpasses, cross-overs, etc., in

construction of controlled access highways for efficient operation and maintenance of ranch properties adjacent to such highways;

Disapproved any continued agreement on Tariffs and Trade act which will expire in 1958 insisting that powers of all tariff matters be retained in the hands of Congress;

Endorsed the work being done by the National Live Stock and Meat Board and urged that industry cooperate in securing necessary funds to extend its activities;

Opposed any legislation removing meat packers from the jurisdiction of the Packers and Stockyards Administration;

Endorsed efforts on the part of Swift & Co., Wilson & Co., Armour & Co., and the Cudahy Packing Company to modify the Meat Packers Consent Decree of 1920;

Opposed HR 2771 to amend the Soil Bank Act so as to include grazing lands in the Soil Bank Program;

Opposed HR 2367 to establish a deferred grazing program on private lands as a part of the relief available to drought stricken areas.

The Cattlemen

Established 1914

OWNED BY CATTLEMEN

PUBLISHED BY CATTLEMEN

READ BY CATTLEMEN

TOO MANY COWS! LOST LEASE ← → MUST SELL!

100 HEAD

EXTRA GOOD MANSON-BRED COWS NOW CALVING BY OUR TOP BULLS

GOOD AGES \$300 REAL BARGAINS
FROM THE HOME OF JUMBO BRAHMANS

Office: 25th Floor, Esperson Bldg., Houston, Texas

Ranch: Simonton, Texas

PECAN ACRES
RANCH
Vernon Frost, Owner Paul Sabrsula, Livestock Mgr.

Male Lines of Descent of Brahman Cattle

Compiled by Don Wakeman, Department of Animal Husbandry, University of Florida

MOROTO LINE

(Names touching line are one-half brothers)

MOROTO 1-283

Silver King 6-291
Sir Plata Arie 683-3020
King's Own 900-7847
Aristoro 992-72825
King Grandan 560-8716
King G's Dumpy M-6-48402
Anrex 636-8114
Fat 24-16524
Satan 44-17573
Jeny 27-16527
Hensley 25-16525
Ideal 21-303
Ideal's 246 AA/A-264-32161
Sir Ideal 5th 703-583
Ideal Jr. 667/0-2362
Guillermo 177-2849
Kleberg 1-1367
Dutch 61-1668
Blue Dutch 512-8182
Elmer's Dutch 31949, 319-4491
Fallawton 958-7704
Little David 650-4142
Little David Royal 238-24470
Brazos 238-23165
Toney 370-40804
Lavaca Blue 129-17894
Davidson AA/72 AA/72-13217 (Webb)
Harry G. 661-7496
Samson 189-23127
Harry G's 245 - AA/A-245-82160
Harry's Son 19230
Valley Prince 926-5975
Duke 850-4165
Don 664-1866
High Pockets 977-7769
Jerry 516-2375
Coke 10th 349-10969
Big Boy 657-2863
Pinkney 86-7165
Double Dutch 651-7495
Ritondo 2nd 43-17814
Red Boots AA/112-13248
D. D.'s Gray Boy 78-13224
Dutch's Billie AA/90-13235
Tippu 23-295
Tippu Jr. 7-2338
Tippu 919-7744
Tippu The Great 5111-4464
Nobile AA/11-1236
Nobile 2nd 41-18700
Victoria Pride 75-35177
Nobile Dix 40-18699
Stack Caruso 60-28415
Flat Top AA/32-11563
Tip 18-22689
Ghanda 15-18998
Tippu Dan AA/178-19231
DR Tippu Imperator 663-40652
Tippquin O/4-8428
Silver Level AA/S10-34497
Prince Edward 800-4500
Duke Moroto 44-11473
Wilhelmina's Duke 122-25489
Showman 806-4481
General David 164-24589
Dead Level 25-10925
Tippu's Blue 919-8582
Tippu Magnus 901-7736
Tippu's Christmas AA/S3-18229
Tip 3/4 140-23150
Table Top 49-11526
Boss-Indicus AA/222-19232
Elephantus AA/73-13218
Liberty 985-8257
Herollo 176-23161
Pyburn's Tippu AA/195-34523
Webb's Tippu AA/151-18617
Noble Grand 902-7757
Broadback O/38-8616
Tippu's AA/40-11690
Tippuroto O/8-8548
Cecil's Moroto 365-4482
Mexiroto 5-1446
Mexiroto 5th 5-5266
Sombrero's 295th-30367
Ponyrot 208-2573
Junior Moroto 6-1424
Moroto Jr. 13-288
Sir Moroto Jr. 57th 728/0-1176
Buster Moroto Jr. 692/0-8583
Suva 249-590
Suva Jr. 50/0-658
Duchess Suva 960-0-2965
Duchess Suva 581/3-12368
Sonahoy 344-15752
Bill Suva 26/0-660
George 106-6207
Dick-Brownie 43-968
Pierce Ranch 253rd 253-8670
Pierce Ranch No. 432 432-8687
Big Hump 311-4489

MOROTO 1-283

Dockrich 727-5803
Moroto's Lineman 515-6141
Tight Boy 223-4487
Little Pop Moroto 2-3296
Kincos 4th 4-3298
Tommy 1st 1-3471
Buster 25-297
Big City 823-4639
Buster's 740th 740-4154
Jay Den 288-20707
Jacob 19-654
Sabino 395/1-6387
Partina 66-3264
Sir Jacob 11th 104/1-6895
Sir Jacob 37th 299/2-3981
Morobob 512-4146
Webs' Morobob 180-23162
Highlandfling 529-8558
Toro Moto 7-12694
Moroto 3rd 26-398
25th Sir Moroto 3rd 929/0-1218
April 399-4467
Prince of Orange 819-7729
Kris Kringle 4-4494
Eeso Celo 36-10101
Kris Kadet 34-10100
Rajah 58-1153
Dandy 333-1554
Jacob's 711th 711-4150
Little Moroto 8 11-4469
Deck 4-1445
Kelly 27-1815
Silverman 643-192

IMPERATOR 2-120

Emperor Jr. 24th 620-20968
Emperor Jr. 32nd 641-30280
Emperor Jr. 36th 676-30313
Emperor P 786 786-34641
Emperor P 806 806-42003
Hadacol Emperor 10-72983
Emperor de Cullowhee 895-49304
Chico Emperor 1/0-53553
Sir Emperor de Manso 1st 35/0-58382
Superior Manso Emperor 460/5-39753
Estevan Superior 2-79587
LeBeau Emperor 222/0-76302
Ketchikan Manso Emperor 462/5-39755
Galvez Manso Emperor 475/5-39750
Emperor's Water Bug 996-56733
Burma Manso Emperor 455/5-39748*
Emperor Manso 625

ARISTOCRATA LINE

BARAO

Aristocrata 1-134
Arianaire 550-8104
Aristocrata's Prince 500-3011
Prince Josiah 688/2-5003
Jaies 153/4-18020
Aristo Bath 547-7058
Duke of Kaplan 107-8695
Captain Youl 623-7464
Albacrata 730-4449
Albacrata Jr. 37-27597
Sir Antigo 545-3013
Knight of Fidance 984-7818
Pr. Arislausanne 720-3024
Monte Cristo 728-3027
Aristocrat of Cannore 620-4543
Aristocrat's Star 306-4361
Jemstan 0/449-27022
Sir Arisan 725-3025
Aristarchus 681-3618
Rex Aristarchus 999-7832
Nahum 166-17097
Aristarchus 3rd 0/200-13558
Count Rexamuro 0/2-7837
Silver Stuff 556-27584
Boots 264-13562
Commander Light 994-7827
Lonita's Commander 0/776-50583
Obidian 0/4-7839
Manso 41-162
Galan Manso 398/3-10598
Jumbo 211 211-46559
Burma Manso 804/1-3526
Burma Manso 4th - 299/3-10499
Beville B. Manso 888/4-28518
Silver Burma 54-82575
Poonca Manso 78/3-1230
Typey Manso 604/4-2282
JDH Colorado Manso 915/4-38546
JDH Leonidas Manso 267/6-59250
Adasa de Manso 182/4-18049
JDH Dusty Manso 202/5-34110
Defendo Manso 126/4-16322
JDH Defendo Manso 318/5 313/5-36149
Resoto Manso 381/2-5663
Crysoto de Manso 558/4-19229
JTB Crysoto de Manso 115 115-60628
JDH Lorenzo de Manso 83/6-59066
Resoto Manso Jr. 200/5-33825
Philo Manso 870/4-27389
JDH Philo Manso Jr. 144/6-59127
C D Philo Manso 7th 7-62306
Ruel 814/3-15010
Randoso R. Manso 806/3-15001
Tuckerman Manso 57/4-15253
Igloo Manso 847/2-6608
Alias 270/4-18136
Ponciano Manso 435/1-4673
Boehler 10-19256
Pedro Manso 14th 301-24237
Aristo Ponco Manso 21-12133
Aristocrat Manso 675/0-1175
Aristocrat Manso 20 366/3-10565
JDH Aristocrat Manso 215/5-36052
JDH Aristocrat Manso 666 666/6-77909
JDH Rex A Manso 1/5-28629
JDH Syro de Manso 584/6-70176
Dandelion 617/3-12399
Oxias 852/3-15048
Federato A. Manso 806/3-15002
JDH Chunko Manso 884/4-28514
Chunko Manso 270 270-68494
Renfro Manso 8-10901
Ajapo 216/4-18083
Baby Face 7-17953
Shaker 1/3-6754
JDH Shaker Manso 185/5 185/5-36024
JDH Quarto de Manso 478/5-42460
Meteorus 977/2-6731
Zara 844/3-15040
Aristocrat Manso 1st 799/1-2979
Frey's Aristocrat Manso 1st 6-11276
Gaupp Manso 49-24971

BARAO

Rodrigo Manso 674/0-1174
 Rodrigo Manso 17 115/8-10314
 Adigery 174/4-18041
 Manso Cadanza 166-34919
 Cadanza 9th 9-48528
 John 81-12732
 Cooper 761/2-6514
 Rodrigo Manso 15th 375/2-4752
 Errol R. Morrison 120/4-16316
 Royal Manso 87th 87-57321
 Ted Manso 965/0-3764
 Cooper 123-15619
 Rancher 8-33190
 Manso Jr. 672/0-1173
 Hilary 861/2-6617
 Burke's Jaceto Hilar 19th 1/73-51336
 Origo Manso 40-14739
 Dutch Hilar 87-22065
 Burke's Origo Hilar 3rd - 135-22536
 Fryatt 966/3-15163
 Jack 86-34971
 Fryatt's Manso 526 526-72787
 Supimpa Manso 3-41523
 DC Rex Manso 1st 49235
 Manso Jr. 10th 358/2-4747
 Russell's Manso 1st 17881
 DR Compact Manso Jr. 637 637-35671
 DR Prince Compact 645-35672
 Silurio 948/3 948-15144
 Circle Square Quinca's M. 832 832-41690
 Manso Jr.
 Manso Jr. 19th 378/3-10578
 Acock 147/4-18014
 Manso Grande 1/4-15197
 Figure 4 No. 24-24005
 Vivace 841/2-6596
 Irving 69-18497
 Phleugor 364/2-6556
 Phleugor E 698 698-34588
 Phleugor 94th 720-30336
 Murphy's Phleugor 5th 30-69855
 Alaya Manso 805/1-3627
 Alaya 672 672/3-12450
 Prince Dalmir 68-41332
 Armand de Manso 424/4-18289
 JDH Armand Remoto Manso 432/6-70024
 Alaya Manso 148 148/4-4-18015
 Alaya Emperor 190/0-2687
 Hobby Manso 8th 104-1196
 Manimoso Manso 742/2-6505
 JDH Pickson de Manso 802/5-49578
 Manimoso Manso 841 841/4-23067
 Bill Manso 546/4-22813
 Gamalil Manso 967-3 15164
 Enoch 815/3-15011
 Bobby Enoch 1-24927
 Josephus Manso 771/1-2679
 Josephus Manso 592 592/4-22809
 Impto Manso 574/2-6517
 Roland I. Manso 564/4-22809
 Vulgar Manso 980/0-2693
 Vulgar Manso 20th 608/2-49490
 Varner 64/4-12560
 Duke Manso 717/0-2689
 Duke Manso 8th 518/2-4890
 Duke Manso 11th 600/2-4933
 Cadanza Manso 748/2-6511
 Ashbel Manso 849/2-6605
 Ashbel Manso 606 606/4 22823
 OKaloo Manso 361/2-6553
 JDH OKaloo Cardo Manso 601/6-70192
 JDH OKaloo Manso 315 315/5-36151
 Supimpa Manso 711/0-2688
 Supimpa Manso B 591/2-4923
 Leysto 72-6195
 Manso Return 1st 807/1-3529
 Premium Manso 921/3-15117
 JDH Premium Manso 164/5 164/5-36003
 Bano Manso 540/1-2678
 Decapolis B Manso 869/3-15065
 Charlest Decapolis Manso 319-67985
 Bano Manso of LSU 7 175-42953
 Jeremiah Manso 299/1-2682
 Clebit 40-19280
 Cleric's Manso 973/0-4010
 Mario 11-6904
 Selim Manso 676 0-2680
 Selgar Manso 208/2-4801
 Selim Manso 1st 789/1-35154
 Mandean 482/3-4515
 Lexpride 75-23748
 Guido Manso 969/0-4169
 Guido 162-5982
 Geshem 491/3-12088
 Tango Manso 546/1 4519
 Tango Manso 7th 311/3 10511
 Delaco Manso 360/2-5652
 Delaco Pat 170-16654
 King Manso 441/1-2674
 George Manso 53-2893
 DC Prince Manso 142-71845
 Sir Manso 301/1-2683
 Barzee's Perfecto 53-14397
 Sir Manso 9th 7516-2045
 Leon 35-10289
 Cavito 54-12979
 Count Manso 372/1-2700
 Supercount #2 2-7246
 Don Manso 471/1-2696
 Santiago 1-17640
 Amorium Manso
 Lucom 704/3-12477
 Mansolo 802/1-12942

BARAO

Bartula 344/1-4495
 Jack 1-19285
 Bartula Alfonso 3rd 25-18441
 Lord Manso 710/0-2687
 Billy Merritt 323-8014
 Count Manso 372/0-2700
 Herder 1-6692
 Supercount 2-7246
 Manso Bill 455/1-2676
 Dutchesse Manso Model 30-10096
 Manso Model Jr. 3rd 3-18994
 Motorman 212-13406
 Sultan Manso 989/1-3706
 Sultan Manso of LSCU 4 141-24751

QUINCA LINE**QUINCA 1-49**

Quinca's F. B. 972-5976
 Quinca the Great 502-4139
 Deep Sen 20-11243
 Optimus AA/95-13240
 Quin Dan 125-23123
 Perfecto AA/23-11245
 Main Sails AA/27-11246
 Dip 920-7745
 Quinca's Return AA/666-62935
 Quinca's Immense AA/70-13215
 Quinca's Spiro 0/33-8518
 Quintin 128-23129
 Highlander AA/6-10889
 Britannicus 190-27722
 Bettermore 106-13247
 King Kalu 46-22681
 King Quince 170-19038
 Major Jaco 5 0-34178
 Presciosa 4th AA/79-13226
 Duke 668 668-62569
 Grandee AA/9-11235
 Dickey 41942

HEROIE LINE**HEROIE 2-284**

Heroie Jr. 27-464
 Heroie Jr. 9th 146/2-2835
Horozonto 40-465
 Horozonto Jr. 670/0-26866
 Amozonto 816/0-2920
 Amozonto 2nd 143-22296
 Sir Horozonto 5th 215/0-1863
 Sir Horozonto 5ist 249/1-2247
 Nebo 217/1-7202
Herole 317th 317-4476
 Herole 560th 560-14314
 Herole 40/0 70-23744
Sir Basil 325-1471
 Clyde 382-1311
 Tex Ritter 437-4314
 Ritter's 653rd 653-11172
 Granger 378-3129
Mogul 505-661
 Molusk 515/1-2458
 Duke Seidel 3rd 145-11139
 Roachie 445-20056
 Delano Mogul 668/0-2905
Lacurgas 504-653
 Curgalim 312/1-2770
Red Hoe 225-2855
 Josiah 503-662
Jeremiah 22-1160
 Nelson 4-1450
Heroto 202-1142
 Jacob's Heroto 217-1803
Heroe III 229-3085
 Red Fred 827-7782

MARTIN LINE**MARIFIM**

Martin H2-231
 Blutin 206-2572
 Blutus 983-8693
 Dumpy 942-7757
 Mister Dip 426-27018
 Turquoise of India 0/19-8552
 Blutinissimo 0/9-8549
 Home Folks 957-7764
 Country Boy 947-7760
 Battler 20/0-1018
 Tom Shaw 6-2558
 Martin 22nd 022-1457
 Corona 644-840
 Corona 44th 552/2-4862
 Sosto 820/2-6578
 Martin Jr. 2/0-659
 Rexmar 945-7786
 Chester the Great 80-20357
 San Martin Jr. 1-2341
 Victor 201-2854
 Major Grigors 750-4160
 Vickie 135-13256
 Major Dutch 3-11270
 Victor 208th 208-11485
 Diamond 212th 212-19883
 Alfonso 875-1266

MARIFIM

Alfonso 47th 572/2-4909
 Our King 670-6306
 Royal 769-17023
 Governor 205-1017
 Goldman's Martin 181-5460
 Martinus H17-663

OTHER MALE LINES OF DESCENT**LACK**

Estrella H 13-242
 Estrella Jr. 184-585
 Sir Estrella 689d 291/1-1795
 Estrella 7th 228-527
 Fred 37th 37-5849
 Extremey 803-6912
 Estrella Jr. 3rd 854-657
 Moto Estrella 318/1-2279
 Moto Estrella 569 569/3-12359

OCEANO

Himalaya H9-238
 Himalaya Jr. 343/0-3264
 Paul 84-12967
 D'Fay's Paul 30/1-70330
 Sir Himalaya 28th 16/1-1303

DICK

Red Dick 314-2574
 Wade's Butler 115-5542
 Rajah Mack 64-13062

HOPKINS

Sir Hopkins Jr. 168-3138
 Sir Appel 19th 171/2-3860
 Sir Appen 20th 96/2-3994
 Salvador 1-13202
Hopkins 21st 021-1456
 Captain 1-3204
 Appling 80-1485
Colonel 204-1816
 Old Harvey 3084
 Roy 134-1802

***SIR PATRICK 2-1468**

Aikley 500-5520
 Aikley 8th 195-22508
 Prince Progress 133-12177
 Claude 33-15874
 Sammy 7-16663
Jesse Jones 451-4321

SOBERANO

***Supimpa H3-232**
 Supimpa Jr. 87-841
 Sam Houston 10-3213
 William the Traveler 26-6318
 Joseph Stalin 1st 18-17892
 Sir Supimpa 4th 738-730
 Sir Ichabod 1st 201-6003
 Edgar 461/1-3939

THEZUARO

***Vulgar H1-230**
 Joel Vulgar 1-1253
 Joel Vulgar Jr. 39th 39-8522
 Sir Joel Vulgar 11th 16-2559
 Myatt V-2709

VIZUVIO

Santinho 2-43
 Santos Jr. 20-4792
 San Leo 19-4393
 Flavius 55-462
 Borges 308-5250

AMORIOM 1-44

Cibolosky 231-589
Milton 36-311
Sir Amorium 10th 185-820
 Cuba Libre 2-4387
 Levi 225-587

GOLIATH - 45

KING H3-1421
 Bill 194-5640
 Joy Boy 100-22441
 Laughing Boy 2-949252

***DAN 002-413**

Blue Boy 28-4485
Cecil Dan 0-8448
 Ka Mo Liberator 4-14425
Rex 303-1865
 Rex 13th (Jim) 199-4107
Dick R4-1422
 Sir C 422nd -18546
Dock 1-1419
 Dock 143rd

***COLONEL 640-100**

Diamond 130th 130-10713
 Mr. Johnnie 37-23215
Diamond Joe D. 23-3222
***MARENGO A1-439**
 Jules Jr. 173-6664
Marengo Jr. A2-2862
 Elwood 59-4423

American Brahman Transfers Into Countries Outside United States

In recent years breeders of Brahman cattle in the United States have enjoyed a healthy market for their cattle in foreign countries where purchases are being made to build up and improve native cattle. Many breeders of Brahman cattle have been selling cattle to foreign buyers prior to 1952, but the largest numbers have been exported since

that time.

The table below lists the countries that have purchased purebred Brahmans, registered in and transferred by the American Brahman Breeders Association. The table lists the total number exported to each country each year, with the last column giving the number exported in 1957, up to April 15.

Country	1952	1953	1954	1955	1956	To April 15 1957
Argentina		16	34	12	—	2
Australia	4	1	12	—	—	—
Canada	21	1	8	8	6	1
Chile						1
Colombia	135	337	1574	1995	345	2
Costa Rica	215	45	66	208	130	3
Cuba	19	68	98	92	514	139
Dominican Republic	19	210	15	134	72	46
Dutch Guiana	37	21	—	—	—	—
Ecuador	3	25	19	—	10	—
French Equa. Africa	10		16	16	9	—
Guadeloupe		15	—	—	—	—
Guatemala	1	3	71	35	155	16
Haiti		4	—	—	—	—
Honduras	59	1	28	2	—	2
Israel			10	15	15	—
Jamaica			—	—	—	18
Liberia (Africa)	3	12	—	—	3	—
Madagascar	2		—	26	51	—
Martinique (F.W.I.)			—	8	26	24
Mexico	43	68	71	52	219	468
New Guinea			6	—	—	—
Nicaragua		38	16	74	68	—
Panama	34	74	26	51	45	2
Peru			7	—	12	—
Philippine Islands	5	40	—	64	—	—
Portuguese E. Africa			—	3	—	—
Puerto Rico	33	10	6	38	58	99
Salvador			21	16	23	6
South Africa (Union)			1	4	33	3
South West Africa		3	26	7	3	42
Southern Rhodesia			—	39	—	6
Thailand			74	—	—	—
Venezuela	251	508	1278	1800	1098	183
TOTAL	894	1586	3481	4694	2895	1004



Tom Spencer

Tom Spencer, 27, of Leavenworth, Kan., has become a field representative for the Kansas City Stockyard Co. He has been assigned to the southwest territory. Spencer joined the Stockyard Co. last Dec. 1 and since that time has been studying operations and performing operational duties at Morris Feed Yards. He brings ranching experience to his present position, as well as experience in the commission business and as a brand inspector for the Texas and Southwestern Cattle Raisers Ass'n.

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J. T. GARRETT RANCH 40 mi. south of Houston on highway 35 DANBURY, TEXAS	PARET RANCH G. L. Paret, P. O. Box 531 LAKE CHARLES, LOUISIANA RANCH, RAGLEY, LOUISIANA	W. W. MOORE H Cross Ranch 100% Full-Blood Red Brahmans (also purebreds) Box 97 HOUSTON, TEXAS	PLANTATION RANCH Bill Daniel, Owner Registered Red & Gray Brahmans LIBERTY, TEXAS
KOONTZ RANCH Guzerat Beef-Type Brahmans INEZ, TEXAS	C. K. BOYT Devers, Texas Breeder of Registered Brahman and Crossbred Cattle	V 8 RANCH P. O. Box 788 Howard C. Parker, Mgr. CENTER, TEXAS	Registered Red Brahmans CHEROKEE RANCH C. E. YOKAM, Owner P. O. Box 152, San Saba, Texas
BAR-M BRAHMAN RANCH W. K. McLean CROCKETT, TEXAS	MILBY BUTLER Red Brahmans LEAGUE CITY, TEXAS	WILBOURN S. GIBBS Double U S Ranch, Box 472 HUNTSVILLE, TEXAS	BLACK RANCH Manas Beef-Type Brahmans WEST COLUMBIA, TEXAS
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★	J. T. WHITE HEARNE, TEXAS	CHEROKEE RANCH Tom L. Mills, Jr., Owner Beef-type Brahmans and Quarter Horses BT. 2, JACKSON, LA.	★

Cowboy Collinson

(Continued from Page 82)

Committee of Fort Griffin was composed of respectable citizens who had banded together to put a stop to horse and cattle theft. In other words, those men took the law into their own hands. Hangings were an every day occurrence. Out on the buffalo range we were constantly hearing that someone had been found hanging to a tree along the Clear Fork.

Hurricane Bill told me that the sheriff of Shackelford county and his deputy, John Selman, had been charged with rustling. The former had been arrested at his ranch home and thrown into the Albany jail but Selman had escaped. Early that morning the Vigilance Committee had come to the jail and a relative had given the sheriff a mercy shot close to the head. Hurricane Bill saw it all and thought his time was next, but instead he was freed after promising to leave the country. This he did, and had raced his horse all the way to my line camp on Tongue River where I was then ranching.

The Vigilance Committee never did catch Selman who made his escape and lived under the assumed name of John Titus for many years. He was finally arrested and taken back to Albany for trial but his case was thrown out of court for lack of evidence. Times had changed and Governor Roberts insisted that the law take its course in all trials. The Vigilance Committee had had its day.

Selman later lived in El Paso for many years under his real name, worked in the

The Cattleman

Wigwam Saloon and Gambling House as general lookout and bouncer and was later elected constable. I knew him well, often had a friendly drink with him. He got it in the end. He made history in El Paso by killing John Wesley Hardin, the famous outlaw, and was later killed by George Scarborough, an ex-sheriff of Haskell county and a tough hombre. Scarborough was killed a few years later in New Mexico—so they all got what was their due, those Texas triggermen.

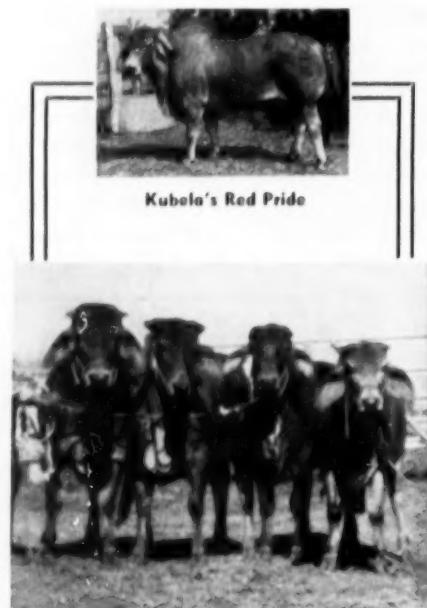
Looking For Horse Thief

One time the Vigilance Committee came to our buffalo camp on Stinking Creek, a tributary of the Salt Fork of the Brazos. There were about twenty-five of them in the posse besides a bunch of Tonkawa Indians led by Chief Johnson, a big fat Indian. They were hunting Joe Watson and two other men, wanted for horse theft. Watson was suspected of hiding on the buffalo range. The next day they came back with their men, and also a buffalo hunter named George Causey, whom I have told you about before. Causey had put Watson up for the night, and it was a good thing that my partner, Jim White, could identify him or the committee would have strung him up along with Watson. As it was, he was freed and no harm came to him, but it was a close call! Chief Johnson told me later that the Vigilance Committee hadn't thought it worth while to take their prisoners all the way back to Fort Griffin. "Maybe so white man cut 'em so", he said, drawing his thumb across his

throat. Several years later skeletons were found in that area and the dried skin across the throat had been slashed.

There were about two hundred and fifty Tonkawa Indians living along the Clear Fork of the Brazos south of the town of Fort Griffin when I first went there. Some of them served as scouts for the government and were given American names when they enlisted. This explains why their chief was called Johnson. I always believed the Tonkawas were cannibalistic and I'll tell you why. In the early seventies General MacKenzie was following a war party of Comanches that had been seen to the east of Fort Griffin. He camped on Elm Creek and left his wagons there while he and his troops followed the Indians across Double Mountain Fork of the Brazos and had a running fight with them until night. Then the soldiers turned back to camp. Not far from Elm Creek they saw the light from a camp fire. General MacKenzie called Champ Means, a scout, and ordered him and two other men to investigate the fire. There they found old Campo, the Tonk, broiling slices from a dead Comanche over the fire for himself and two squaws. When Means reported what they had seen, General MacKenzie found it incredulous. He arrested the Indians and had them put in the guard house at Fort Griffin. After a few days he freed them, warning them not to eat any more of their enemies.

In June 1876 the entire Tonkawa tribe left the valley and moved to the hills south of the fort. When asked why they



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had moved they replied, "Heap big water comes". In a week's time the flood came, the worst Fort Griffin had ever experienced. Several people were drowned, stores were flooded and the population moved up the hill near the fort. No one could explain why the Indians had known. It was instinct—the same thing that made the then numerous prairie dogs build up the mounds around their holes before a big rain.

An eye witness told me about one of the drownings in that big flood. In front of Hunter's Home Saloon and Dance Hall there was a big liveoak tree. The dance girls liked to climb into this tree and sit on the spreading limbs. This saloon was flooded in the high water and the girls climbed into the tree for safety. One of them had her three-year-old son with her and he fell from a limb into the rushing waters. "Jump down Nell or your kid will drown", screamed one of the girls.

"Nell replied, "Not me, Nothing doing. If I want another kid I can manage it. But I am not going into that water".

Many of those old Tonkawa Indians died from smallpox in 1882, and the remainder were moved to Anadarko, Okla., in 1883, where descendants live today.

One bad man was buried in a goods box back of a dance hall in Fort Griffin during those days. He was drunk and bragged what he would do if "the so and so sheriff tried to arrest him". Naturally the officers heard this talk. To make the story short, the bad man started up the street and met the officer who shouted "Stick 'em up!" It was too late when the bad man reached for his gun because the sheriff had already pulled his trigger. Digging the grave and burying the would-be bad man took less than an hour.

I heard a strange story around Fort Griffin about a man named James A. Brock. He had come to Griffin from Ohio and worked in the sutler's store run by Frank Conrad. He was a reticent and retiring type of man and did not make friends readily. He seemed out of place on the frontier and when he was accused of committing foul play most of the people believed him guilty. Brock had accumulated a small herd of cattle on the side by buying "drags" (calves and cattle too weak to keep up with the herd) cheap from the herdsmen as they trailed cattle through Fort Griffin. His place was on Foyle Creek and since he worked in the store he had written his cousins, Ed and Frank Wooley back in Ohio, to come to Texas and help him look after the ranch. When they arrived he turned things over to them.

In the spring of 1877 Frank Wooley mysteriously disappeared from Fort Griffin. The rumor got around that Brock had killed him, and he was arrested and put in jail, charged with murder. The only thing that saved the Vigilance Committee from hanging him one night was the swollen fork of Foyle Creek between Fort Griffin and Albany. When they got to the creek it was too high to cross and they knew it would not run down before morning. A majority decided to turn back, not being fully convinced that Brock was guilty, and the rest of the party followed.

There was not enough evidence to convict Brock at his trial and he was freed by the court. In the meantime Ed Woosley got some money together and bought out Brock's interest in the ranch. With that money Brock set out to find Frank Woosley. He came to my camp on Duck Creek in Dickens County and learned that his cousin had been there after leaving Griffin. This was proof that Frank was alive, somewhere. So Brock began hunting for him. He went from state to state, into Canada and Mexico, spending every penny he had. Then he would work and save and continue the search. It had become an obsession. After thirteen years had passed, a man wrote him from Bald Knob, Arkansas, telling him that he thought he had located his man. Brock went to Arkansas, and looked up the suspect, but he was not Frank Woosley. Filled with disappointment he went to the railroad station to buy his return fare home. There, face to face, he ran into Woosley. Brock put his gun to Woosley's ribs and told him he would die if he moved. He told his story to the police and Woosley finally agreed to return with him to Ohio where he was identified by his family.

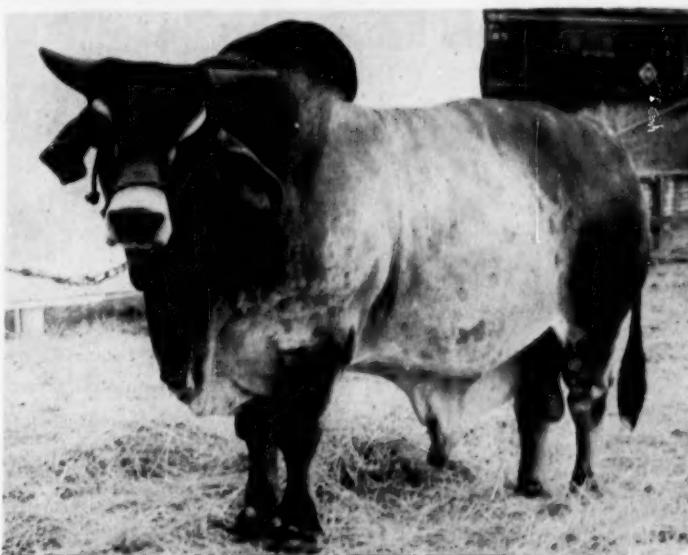
I personally knew Brock and asked him why he hadn't killed Woosley on the spot when he found him. He told me that he wanted everyone to see Frank alive and to know that he, Brock, was innocent of murder. Many of those old Vigilance Committee men were still living when Brock proved his innocence and were thankful they had not killed an innocent man back in 1877.

The Woosley brothers had planned the entire business, hoping to get Brock's ranch. After Frank disappeared Ed Woosley had circulated the rumor that Brock had killed him. Brock later settled in El Paso and he and John Selman often met and talked about "how near they both had come to being lynched by the Fort Griffin stranglers".

Watched Gamblers Shoot It Out

Lottie Deno "the poker queen" was a famous character around Fort Griffin during her heyday. I saw her occasionally around the gambling tables with Monte Bill, Smoky Joe and other gamblers. One story goes that she once watched the latter two shoot it out over a poker game

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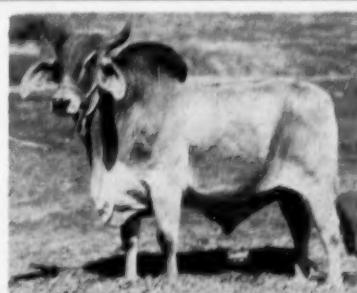
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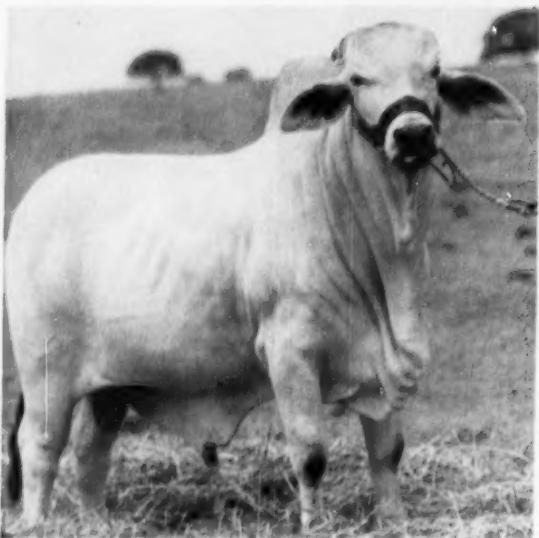
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from an advantageous corner spot. When the sheriff came in and saw the two men stretched out on the floor and the crowd gone, he found Lottie in the corner. "Why didn't you clear out like the rest?" he asked. "I was safe in the corner," she replied. When he told her to get going she agreed, saying, "I'm so sleepy." As she left the gambling hall she carried hidden in her clothes her own large winnings of the evening and the pot of more than one thousand dollars that had caused the shooting between Monte Bill and Smoky Joe.

When Lottie heard that Johnnie Golden, a handsome gambling man had been shot through the heart, she wept hysterically and could not be consoled. She packed up her personal belongings and left Fort Griffin forever. She wrote a note and pinned it to the bedspread before leaving. It said, "Sell this outfit and give the money to someone in need of assistance." Rumors later floated back that Lottie had gone to Silver City, New Mexico, and had married a gambler. During a big revival, both had joined the church and from that time forward, "walked uprightly before all men".

Smoky Scalps An Indian

Smoky Thompson, was a well known buffalo hunter whom I knew well and admired. He got his nickname as well as many buffalo on the Smoky Hill River in western Kansas. He had followed the big shaggies to Texas and had a camp on "The Narrows", a ridge between the Wichita and Pease Rivers. My partner and I, and other hunters had nearby camps. Roving bands of Indians were committing depredations daily and we all camped near each other for protection.

One morning Smoky was skinning wolves that he had caught in his traps when he heard horses and saw seven mounted Indians in the distance. They whirled out of range when he shot at them. He started for camp on foot, followed by the Indians but everytime they got too close he pointed his gun at them. They had no guns, but shot at him with bows and arrows. Then an Indian, riding a beautiful blue roan horse, evidently the leader of the band, dashed boldly close to Smoky and gave him the chance he had been waiting for. Smoky shot the red skin who fell from the horse. The big animal stopped in its tracks, and Smoky ran up and caught him by the short rawhide rope dragging from its neck. Taking out his sharp skin knife Smoky cut off the Indian's scalp. Then sticking this trophy in his shirt he mounted the horse and raced toward camp. When the pursuing Indians got too close he turned and raised his gun and they would retreat, riding out of range. They knew he had a muzzle loader and hoped to get him when he stopped to reload. Smoky soon realized he had captured a wonderful horse as it carried him far in advance of his pursuers. The Indians chased him to the divide, but hastily retreated when seeing the buffalo camps.

The next summer Smoky and his partners went to Fort Griffin for supplies and Smoky rode the roan and tied him

in front of a saloon. A ranchman named Mark Hoover, who lived near Griffin soon walked in. "Which man rode the blue roan horse hitched outside?" he asked.

"I did", Smoky answered proudly.

"Well, he's my horse, a Comanche stole him and ten more head a year ago. How did you get hold of him?"

Smoky showed him the Indian scalp and told him his story.

"The horse is yours," Hoover said, "and you can have the other ten if you can bring me a similar bill of sale."

Old Smoky rode away from Griffin a few days later, right proud, carrying his scalp on the saddle horn like a badge of honor.

Steve Collins' Bravery Story

Steve Collins, the mail carrier from Fort Griffin to Jacksboro, wanted to be a hero worse than any man I ever heard about. He had long legs and a long tongue and often bragged what he would do if his light wagon and four horses should be attacked by the Indians or bandits. Late one evening in 1875 Collins pulled into Fort Griffin with only three horses and the mail hack was shot full of bullet holes. He told in glowing terms how he had been attacked at King's Creek in Young County by three robbers, how he had carried on a running gun battle with them for several miles. One of the horses had been shot in the fight.

Finally he had crawled from the stage and given such an exhibition of shooting that the robbers had pulled out. Then he had hitched up the three horses and come to Fort Griffin on the run. Citizens felt their brave stage driver should be acclaimed and the command at Fort Griffin sent guards with him on the next trip for protection. His bravery was reported to Washington, and it was suggested that he be honored with a medal. This medal was eventually presented along with much fanfare that Steve drank in with gusto.

A few weeks later Collins celebrated a little too much in a local saloon, and burst his own bubble. He admitted that he had shot the horse; and filled the stage full of bullets, because he wanted the folks to think he was a hero. He conscientiously sent the medal back to the fort commander and "pulled for the buffalo range".

The stories are endless about old Fort Griffin. All I have to do is light my pipe, put on my thinking cap, and entertain myself. Yet passing years have softened the harshness and reality of those long-ago-adventures, just as time has crumpled the walls of the once sturdy fort.

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A. M. Pearson, Animal Husbandry Dept.
Michigan State University

I placed this class of Brahman cows 2-3-1-4.

In placing No. 2 over 3, I realize that 3 is smoother at the hooks and carries her width more uniformly through the rump, but I am placing 2 at the top of the class because she is a larger, more rugged, heavier boned cow, showing more breediness. Two is deeper ribbed, and carries more depth into her rear flank. She is shorter backed and shows more bulge to her rear quarter as viewed from the side. She shows more breed character and femininity about the head, and stands on straighter heavier bone.

I am placing No. 3 over 1 although I grant 1 is a larger, more rugged, roomier middled cow, standing on more bone, but I am placing three up because she is a more compact, typier cow, following more closely the type of my top cow. She is a shorter backed cow with a stronger top, carrying out wider and leveler through the rump. Although I criticize 3 for being plain headed, I am placing her over 1 because of her type and compactness.

I am placing 1 over 4 because she is a larger, more rugged, heavier boned, typier cow. One is deeper and wider throughout, she is leveler at the rump and carries more thickness through her quarter. She is a thicker fleshed, smoother, higher quality cow with a stronger, breedier head.

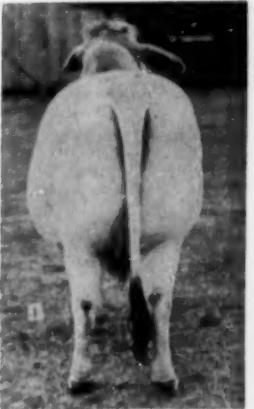
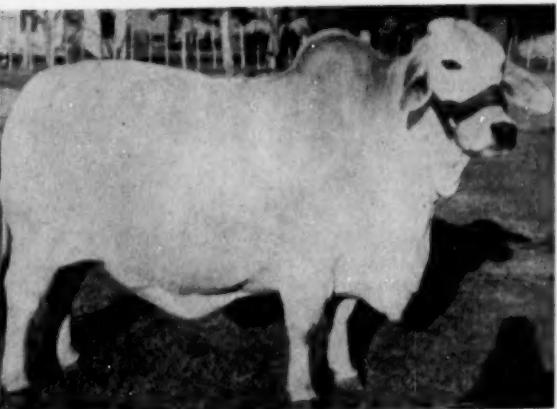
I am placing 4 last although she is a heavy boned, thick quartered cow. However, I am placing her last because she is the steepest rumped, poorest balanced cow in the close. She is out at her hooks, low at the pin bones and uneven in her lines.

Reprinted by permission from June 1956 issue of
County Agent & Vo-Ag Teacher.

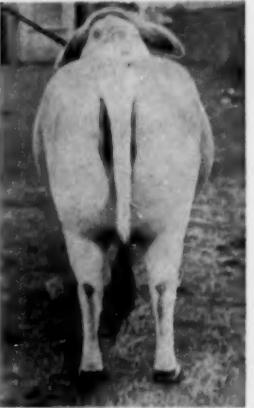
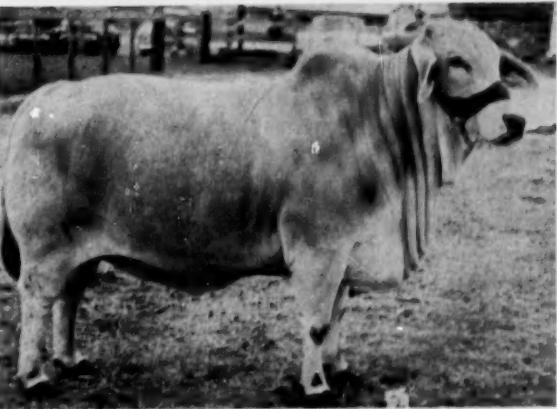




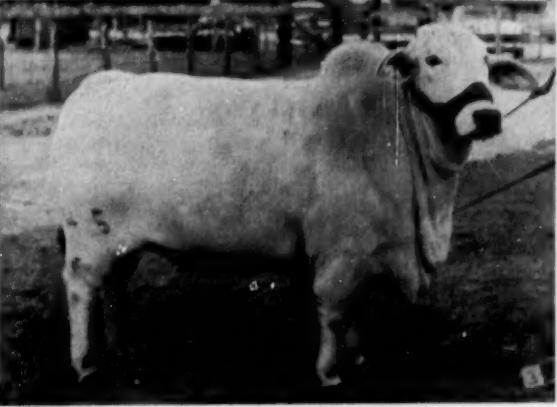
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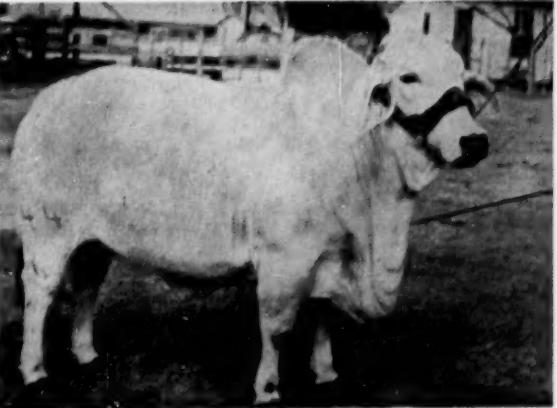
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43 ▶



44 ▶



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FASTER
More Effective
SCREW
WORM
KILLER**

Dr. Rogers'

BIG RED
SCREW WORM KILLER
**KILLS ALL
SCREW WORMS**

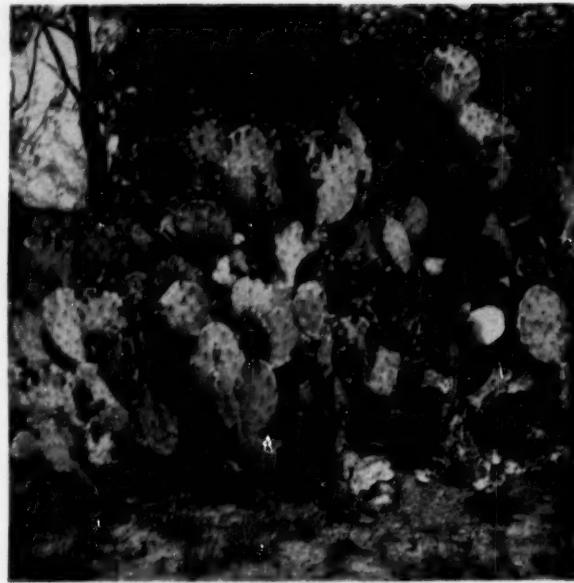
CATTLEMEN are enthusiastic about DR. ROGERS BIG RED because:

- ★ POSITIVE ACTION
- ★ KILLS WORMS INSTANTLY
- ★ PENETRATES INTO POCKET AND CAVITIES OF WOUND
- ★ FORMS PROTECTIVE FILM
- ★ KEEPS FLIES OFF LONGER
- ★ ONLY SCREW WORM KILLER CONTAINING EFFECTIVE GERMICIDE
- ★ RED LIQUID—EASY TO APPLY—FAST KILLER



TEXAS PHENOTHIAZINE CO.
Box 4186 • Fort Worth, Texas

Many South Texas ranchers swear by prickly pear as a friend in time of drought.



Why South Texas Ranchers Feed Prickly Pear

Compares Favorably with Other Feeds in Digestible Protein,
Exceeds Many in Productive Energy and Carotene Content and is Much Cheaper in Price

By G. W. BROWN, Jim Hogg County Agricultural Agent

WHEN Uncle Sam went south of the border to help Mexico control foot and mouth disease, he ran smack into a lot of trouble when he started killing oxen and replacing them with mule teams. It wasn't due to the fact that the natives objected to the ornery disposition and general cussedness of braying hybrids, but it was due to the feeding problem involved. The mule needed grain or fodder, and a large quantity of water each day, or he would quit pulling. The ox, on the other hand, could be hitched to a bunch of prickly pear at the end of the day, and by next morning he was fed and watered, rested and ready to go. Prickly pear contains sixty-eight percent water, so if the ox took on a hundred pounds of cactus, he had had sixty-eight pounds or eight and one half gallons of water.

There is a fable about a man who

traveled all over the world hunting diamonds, and came home sick and worn out and flat broke. While piddling around in his back yard, he found a strange looking rock that turned out to be a very large and valuable diamond, but he was too old and sick from his travels and hardships to enjoy his find, which had been there in his own back yard all of the time. It might be that many livestock men pay for high priced feed brought in from afar, when they have a pretty good feed right in their pastures in the form of prickly pear.

Many well informed and educated people consider prickly pear as a pest, and believe that ranchers would be better off without it, and that were it not for the pear, there would be plenty of grass. This might be true, but the fact remains that there are hundreds of thousands of acres in South Texas that

APPROX. ONE DAY'S COW FEED (Large)	AMOUNT OF PRODUCTIVE DIGESTIBLE PROTEIN	ENERGY IN THERMS	CAROTENE CONTENT IN PARTS PER MILLION	APPROX. COST PER DAY	APPROX. COST PER 30 DAYS	APPROX. COST PER TON
100 lbs. of green cactus....	.5 lb.	15.6	33	.05	1.50	1.00
100 lbs. of sorghum silage.....	3 lb.	13.6	18	.50	15.00	10.00
25 lbs. of C. S. hulls.....	.7 lb.	4.725	7.50	20.00
25 lbs. of prairie hay.....	.5 lb.	9.1	23	.37	11.10	30.00
10 lbs. of yellow corn.....	.6 lb.	8.5	7	.30	9.00	60.00
25 lbs. of curly mesquite grass (mature)6 lb.	7.6	12	?	?	?

are literally covered with prickly pear, which thrives in times of drouth. For many years, South Texans have been using pear as an emergency feed, first using a sharp stick and a fire to burn the thorns off, then along came the pear-burner, and it has evolved into a fairly efficient machine, being nothing more than a giant blow torch.

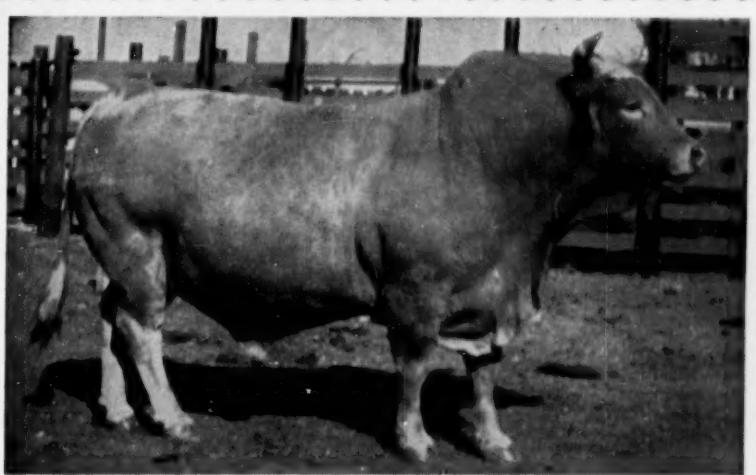
Any kind of ranching or farming in the drier areas of South Texas is extremely hazardous, and of necessity, one must continually look for an opportunity to turn adversity into an advantage. Such an opportunity exists with prickly pear. Those who would have prickly pear eradicated, usually take a dim view of its feeding value, and harp on its bad qualities. Surely there are areas where it is a pest, and where it would not pay to try to use it, but many areas of south Texas have been relying very strongly on their pear burning to keep their cattle alive during the drouth and doing a good job.

Many ranchers keep their cattle in pretty good shape on pear alone, and wild cattle have been known to live on raw pear for months at a time without a drink of water and stay in good flesh. Many ranchers fatten cattle on pear and cake, and do it cheaply in comparison with other types of feeding. Dairymen have successfully used pear in place of silage for years and are still doing so. How is it then that prickly pear is considered by some to be a pest that should be eradicated, and by others to be salvation in times of drouth? And if it is good feed in times of drouth, then why is it not a good feed any time? These questions have been in the mind of the writer for some time, but it was not until recently that it was decided to make some comparisons and try to see just how cactus stacked up against other feeds. Figures in the accompanying table were taken from Experiment Station Bulletin No. 61 revised "The Composition and Utilization of Texas Feeding Stuffs."

The above cost of prickly pear is based on one man burning enough for 200 head of cows, and figuring his labor at \$4.00 per day and using \$6.00 worth of fuel. These costs will vary depending on quality of labor, quality and quantity of cactus, and other factors, and can run as much as twice as high.

In addition to the favorable comparison above, green cactus is also higher in carotene or vitamin A content than alfalfa leaf meal or peanut hay, two feeds that are thought of as tops in Vitamin A.

We see that cactus compares very favorably with other feeds in digestible protein, and exceeds many in productive energy and carotene content, while being much cheaper in price. The fact that it exceeds sorghum silage in all of the above comparisons, makes it look like a much better feed than it has been given credit for, and that we all need to take a new look at our old friend prickly pear, and perhaps show him a great deal more respect. Regardless of your opinion, many ranchers in South Texas swear by him as a dependable friend in time of drouth.



"Mr. Poppa"—Gibson Herd Bull

NOTICE...

We are losing some of our leased pastures and will be forced to cut our herd the last of June. We will sell heifer yearlings, cows and calves and dry cows. These will be good, honest hard working country cattle and will be priced in line with their value.

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Bring \$1 to \$3 more per cwt.

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WICHITA FALLS, TEXAS

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100 GOOD ANGUS COWS AND
CALVES

135 TOP ANGUS HEIFERS
A GROUP OF YEARLING BULLS

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ANGUS RANCH**
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Lockney, Tex.

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1 heifer to Bill Durfey, Wellington FFA
1 heifer to Tommy Womack, Happy FFA

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What about Bloat?

Beltsville Studies on the Feedlot Type of This Complex Disorder Are Giving Us New Light on Its Patterns—But No Full Answer Yet

Reprinted from Agricultural Research USDA

FEDERAL-STATE research is slowly uncovering some facts on one of the oldest and most common disorders of livestock the world over—bloat.

Bloat in this country alone results in losses of some \$40 million yearly due to death and decreased production. Although a large percentage of these losses occur in legume pastures, bloat in the feedlot can mean the difference between profit and loss.

Recent USDA work on feedlot bloat has shown it to be highly complex and caused by several interacting factors, many of which are not well understood. Need for further research is shown by the fact that bloat dates back to Biblical times. Up to now—some 2,000 years later—little is known about its causes, prevention, and precise methods of treatment.

ARS biochemist I. L. Lindahl and animal nutritionist R. E. Davis of the Agricultural Research Center, Beltsville, Md., and dairy nutritionists D. R. Jacobsen and J. C. Shaw of the Maryland Agricultural Experiment Station, College Park, recently completed studies

on animal and dietary factors responsible for feedlot bloat.

In preliminary studies on diet composition, these researchers produced frothy bloat in 11 animals by feeding them daily 14 pounds of concentrate (61 per cent barley, 22 per cent alfalfa meal, 16 per cent soybean oil meal, and 1 per cent sodium chloride) and 4 pounds of alfalfa hay. In general, the substitution of corn for barley, or of alfalfa hay for alfalfa meal, had no particular effect on bloating.

Test animals that were kept on a bloat-producing diet 4 or 5 months suffered bloat more often and more severely than animals on a similar diet for a shorter period of time. After 4 or 5 months, however, when animals seemed to reach bloat equilibrium, the frequency and severity of bloat tended to be fairly constant.

Total feed intake and bloat severity were found to be unrelated during the first 4 or 5 months of the diet. But a relationship between feed intake and bloat severity was found to exist after animals reached bloat equilibrium at 4 or 5 months.

Contractions Show Increase
Ruminal contractions definitely increase in frequency as animals begin to bloat. This basic pattern of rumen motility showed no apparent changes in tests on an animal that ate a low-fiber bloat-producing diet for a long time. Data on the metabolic activity of the ruminal microorganisms and the physical nature of the ruminal contents definitely show changes when the animals are fed the bloat-producing diet. These changes were correlated with the incidence and severity of the bloat.

Several Aspects Under Study

Intensive studies by USDA and cooperating State agricultural experiment stations are currently underway on a number of the biochemical, physiological, bacteriological, and pathological aspects of pasture and feedlot bloat. It is hoped that this all-out attack will soon result in better understanding of the causes of bloat and lead to development of definite methods of preventing and treating this costly disorder of livestock.

No definite recommendations for treatment can be offered at present. Bloat can be relieved—as it was in the Beltsville work—by use of a large-size stomach tube. This is believed to be the safest method right now. Bloat can sometimes be successfully treated with kerosene, turpentine, and other surface-active agents. These substances apparently break up the rumen froth that prevents the animal from belching.

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MAY 27th SAN ANGELO, TEXAS

1500 Commercial Angus Females . . . Several Registered Angus Range Bulls

Good beefy Angus cows, consisting of bred and open heifers, cows with calves, dry cows and springers will be sold. A few bulls ready to go to work, will be offered.

Sale at 10:00 A. M. in the San Angelo Livestock Auction Company Pavilion

TEXAS ANGUS ASSOCIATION

Glenn Tole, Sec'y—203 Livestock Exchange Bldg.—Fort Worth 6, Texas

Herman Allen, Pres.
Menard, Texas

*There is no death. The stars go down
To rise upon some other shore.
And bright in Heaven's jeweled crown
They shine forevermore.*

J. L. McCrory

Harris Underwood

Harris Underwood, Harris county rancher, died April 3 in a Houston hospital at the age of 66. Underwood, a native of East Columbia and a graduate of Texas A&M College, had ranched for 40 years. He is survived by a son, Harris Underwood Jr., Houston; two sisters, Mrs. E. M. Pooley, El Paso, and Mrs. C. H. Lenth, Beaumont; two brothers, Dammon Underwood, Houston, and J. C. Underwood Jr., Dallas; and three grandchildren.

Lewis Johnson

Lewis Johnson, widely known Polled Hereford breeder and pioneer resident of Jack county, died in Fort Worth April 6 after a lengthy illness at the age of 81. Johnson and his brother, the late W. R. Johnson, started in the ranching business 42 years ago and at one time claimed the largest herd of registered Polled Herefords, numbering more than 1500 animals. For years the Johnson brothers registered more Polled Hereford cattle than any other breeder. He was a past president of the Texas Polled Hereford

Association. Survivors include two sons, Dr. James L. Johnson of Amarillo and Lewis Gray Johnson of Jacksboro, and three grandchildren; three brothers, R. N. Johnson of Jacksboro, Levi Johnson of Mount Carmel, Ill., and Maurice Johnson of Dallas; and two sisters, Mrs. R. A. Hefner of Oklahoma City and Mrs. Adda Cabeen of Houston.

George M. Benson

George M. Benson, pioneer Texas cattleman and rancher, died April 3 in an Alpine, Texas, hospital at the age of 77. Benson was born in Burleson county and came to Brewster county in 1905, and had been engaged in the ranching business since that time. He began ranching north of Alpine, and also ranched in the Chisos Mountains, now a part of the Big Bend National Park, and in the Hovey area between Alpine and Fort Stockton. He also ranched in Colorado at one time. He is survived by his widow; two sons, Gene Benson of Alpine and Joe Benson of Hunt; two daughters, Mrs. Inda Adams of Midland and Mrs. Bill Hale of Odessa; two brothers, C. L. of Corpus Christi and Clyde of Olney; and three sisters, Mrs. G. E. Cook of El Paso, Mrs. John Browning of South Bend, Texas, and Mrs. W. C. Rice of Olney.

Malcolm W. Almond

Malcolm W. Almond, for many years a rancher in the Fort Stockton area, died recently in Long Beach, Cal. Almond was born near Hockley, Texas, and moved to

Pecos county and began ranching at the age of 21. He became married and later moved to Fort Stockton, where he farmed and ranched for about 25 years. For a few years he operated in Arkansas, but later returned to Fort Stockton, moving to California in 1952. He was buried at Fort Stockton. Survivors include his widow; four children, Malcolm W. Jr., Fort Stockton; John Alford, Houston; Mrs. Anne Clary, Wilmington, Cal., and Miss Betty Jean Almond, Los Angeles; three brothers, Frazier G., of Troup, Texas; Charlie Norman of Houston, and Jake Raymond of Seguin, Texas; two sisters, Mrs. E. O. Nicolai of Houston and Mrs. Ann Niemann of Fort Stockton, and six grandchildren.

R. B. Masterson, Jr.

R. B. (Ben) Masterson, Jr., Amarillo cattleman and member of a pioneer cattle ranching family, died in Amarillo March 30 at the age of 75. Masterson was a native of Lampasas and went to Fort Worth from Wheeler county in 1898. After completing his education he entered the cattle business with his father in Knox and King counties and later operated in partnership with his brother, the late T. B. Masterson. At one time the family owned around 90,000 acres in Knox, King, Potter and Carson counties. Since 1946 Masterson and his son-in-law, Beaumont Stinette, ranched together near Amarillo. He is survived by his widow, a son, Bennett Masterson, and a daughter, Mrs. Stinette, both of Amarillo; four sisters, Mrs. D. F. Kritser, Mrs. C. E. Wey-

C-T RANCH 2nd ANNUAL SALE

MAY 11th - 1:00 P.M.
MIAMI, OKLA.

Selling
7 Bulls - 50 Females

ALL OF THE BULLS IN THE OFFERING ARE SONS
OF ENVIOUS PRINCE ERIC R (PICTURED)

Many of the Females will sell safe in calf to PRINCE
SUNBEAM E 136, Grand Champion Bull at the 1956
Southwestern Livestock Exposition, Ft. Worth.

Families included in our Female offering:

Fannie Bess, Eljon Erianna, Gammer, Beauty of Haston, Blueblood
Lady, Royal Lady, Maid of Bummers, Black Jestress and many others.

FLASH!! We will sell as Lot 1, Miss Queen 18 of C-T—Our Junior
Champion Heifer at the 1957 Houston Livestock show.



ENVIOUS PRINCE ERIC R
C-T Ranch Senior Herd Sire

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If a Clean up job is needed . . .

TRY A PEDIGREE LIKE THESE:

Omega Prince 100 — 9209799
Calved Nov. 18, 1955

Bred by J. M. Gilfoil, Tallulah, La.

Omega Prince 61 5772880	Bear Creek Pr. 25	Bear Creek, Pr.
	Mozelle Clark	Real Dom. 51
	Mozelle Mixer	Miss S. Dom. 44
B C Lady J 7123300	Don Mixer 10	Dandy Donald
	Mozelle 2	Marsena 2
	Real Silver Domino 59	Don Mixer
Lady Jerry 3	Real Domino 51	Mary A. Mixer 8
	Daisette Silver	Dom. Return 309
	Real Silv. Dom. 59	Mozelle Clark
Lady Jerry 3	Real Pr. Dom. 24	Real Pr. Dom. 24
	Daisy Dom. 1	Daisy Dom. 1
	Mary Sue	Pr. Domino 6
Lady Jerry 3	Real Dom. 51	Real Dom. 51
	Daisette Silver	Daisette Silver
	Lady Jerry	Bear Creek Pr.
		Lady Dott.

LOT #1

Real Dom. 51	TR Zato Heir 74	TR Zato Heir
Miss S. Dom. 44	24 7934458	Miss Silver T 2
Dandy Donald		Paladin Dom. L
Marsena 2		Miss. Pal. Dom. M36
Don Mixer		Miss H Brackett
Mozelle 2		Real Sil. Dom. 59
Real Domino 51		Real Domino 51
Daisy Dom. 1		Daisette Silver
Pr. Domino 6		Anx. Dom. 19
Mary Sue		JS Prin. Dom. 2
Real Dom. 51		Prin. Dom. 26
Daisette Silver		
Bear Creek Pr.		
Lady Dott.		

Silver Zato Heir	Omega Silver Lady
24 7934458	21 7642780

LOT #5

Omega Zeta Heir 16 — 9335157

Calved March 10, 1956

Bred by W. R. Gilfoil & Co., Tallulah, La.

H&D Tone Lad 106	Leola Flowers
Leola Sh. Dom. 44	Delsona T 96
Delsona T 96	Paladin Domino
Paladin Domino	Catharine Domino
Catharine Domino	Chandler's B 5
Chandler's B 5	Panama Rose 2
Panama Rose 2	Real Pr. Dom. 24
Real Pr. Dom. 24	Daisy Dom. 1
Daisy Dom. 1	Pr. Domino 6
Pr. Domino 6	Mary Sue
Mary Sue	Anxiety Domino
Anxiety Domino	Queenly Stanway 5
Queenly Stanway 5	Victor Domino 42
Victor Domino 42	Princess Dom. 3

Omega Silver D 61 — 8824172
Calved Jan. 13, 1955

Bred by W. R. Gilfoil & Co., Tallulah, La.

Real Silver Dom. 59 3472256	Real Dom. 51	Real P Dom. 24	Real Pr. Dom.
	Daisette Silver	Daisy Dom. 1	Nina Mischief
Omega Maid 23 4946885	Pr. Dom. 6	Pr. Dom. 6	Onward Domino
	Don Mixer 10	Mary Sue	Daisy Domino
Omega Maid 15	Don Mixer	Don Mixer	Prince Domino
	Mary A. Mixer 8	Advance Mixer	Zora Aster 2
Omega Maid 15	Draft Dodger	Advance Mixer	Dandy Donald
	Lucerne 5	Mary G. Misch. 8	Prince Domino 6
		Tony 8	Zora Aster 2
		Lula Frances	Daisy Prince
		Dom. Blanchard	Real Domino 51
		Lucerne 4	Dandy Donald

LOT #6

Real Silver Dom	Real Domino 51	Real Domino 51
59 3472256	Daisette Silver	Daisy Domino 1
		Onward Domino
		Daisy Domino
		Prince Domino
		Mary Sue
		Advance Mixer
		Bear Creek Prince
		Marsena 2
		Real Domino 51
		Dandy Donald
		Princess Dom. 3

Omega Lass 64

5290762

Omega Silver D 62 — 8824175
Calved Feb. 7, 1955

Bred by W. R. Gilfoil & Co., Tallulah, La.

Real Pr. Dom. 24	Real Pr. Dom. 24	Real Pr. Dom.
Daisy Domino 1	Daisy Domino 1	Nina Mischief
Onward Domino	Onward Domino	Onward Domino
Daisy Domino	Daisy Domino	Daisy Domino
Prince Domino	Prince Domino	Prince Domino
Zora Aster 2	Zora Aster 2	Zora Aster 2
Dandy Donald	Dandy Donald	Dandy Donald
Prince Domino 6	Prince Domino 6	Prince Domino 6
Mary Sue	Mary Sue	Mary Sue
Bear Creek Prince	Bear Creek Prince	Bear Creek Prince
Marsena 2	Marsena 2	Marsena 2
Real Domino 51	Real Domino 51	Real Domino 51
Dandy Donald	Dandy Donald	Dandy Donald
Princess Dom. 3	Princess Dom. 3	Princess Dom. 3

LOT #7

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25 BULLS ★ 50 FEMALES

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TALLULAH, LOUISIANA



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QUALITY + PERFORMANCE + FERTILITY

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The first calves of our own breeding are now on the ground. The oldest are three months of age. It is truly gratifying to see the uniformity and quality that these matings are producing. These calves are weighed and graded when dropped and again when weaned. Then they are put through a 140 day gain test. These records are available to anyone as an aid in selection.

You are most welcome at Essar.

Stop in and let us prove it.

TOM SLICK — LES LJUNGBAHL — BILL OHLENBUSCH — JIM WARNE

ESSAR RANCH, SAN ANTONIO, TEXAS

R.F.D. #4

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I STILL HAVE FOR SALE

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12 Bulls in Fine Shape - 12 Months Old and Up.

Priced Very Reasonable

Fine Blood Lines

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AUSTIN, TEXAS

mouth and Mrs. Mary Fair of Amarillo, and Mrs. Z. T. Scott, Austin; three grandchildren and four great-grandchildren.

Charles B. Smith

Charles B. Smith, died at his home in Lubbock March 12 at the age of 66. Smith was born in Montague county and came to Floyd county in 1910 where he and his brother Joe engaged in stock farming. In later years he operated an irrigated farm near Floydada. He is survived by his widow; two sons, Joe and Jack of Lubbock; a daughter, Mrs. Ina E. Payne, Portland, Ore.; two sisters, Mrs. Allie Collins, Canyon and Mrs. Willie Fuller, Plainview; a brother, Joe H. Smith, Silverton; two grandchildren and a number of nieces and nephews.

Benton Mosley

Benton Mosley, 67, long time Lea county resident and rancher succumbed to a heart attack February 22 after a weeks illness in a Portales hospital. A native Texan, he had spent his life time in the West Texas and Eastern New Mexico ranch country. He operated a livestock commission business in Lovington for many years. He moved to the Portales area six years ago, and when stricken was backing a stock truck up to a loading chute to load cattle on his stock farm there. He was married in 1917 to May Price of Lovington, who survives him. Other survivors include a sister, two nephews, and one niece.

N. G. Crachel

Nelson G. Crachel, one of the most prominent livestock auctioneers of the 20's and 30's, died March 15 at his Harlan, Iowa, home. Crachel was 67 years old. Death was due to a heart ailment. He served as lieutenant governor of Iowa from 1933 to 1937 and was governor from 1937 to 1939. He is survived by his wife and one son. Two sons were killed in World War II.

J. N. Yates

J. N. (Jack) Yates, pioneer East Texas oil man, big game hunter, rodeo impresario and rancher, died April 10 in Gladewater at the age of 65. Yates was one of the organizers of the Gladewater Roundup Rodeo and was president of the association for 15 years. He helped found the first overseas show of this type while serving with the U. S. Armed forces in

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in the **GULF COAST AREA...**
A MOST CORDIAL INVITATION TO ATTEND
the 5th Annual
Gulf Coast Angus Association

SALE
SATURDAY May 25th 1:00 P.M.

The sale will be held on the CHESTER JORDAN FARM 4 miles South and East of:

BROOKSHIRE, TEXAS
Offering
60 Females — 10 Bulls

All Bulls will be of Breeding age—Herd sire prospects and good range bulls. Several cows with calves at side; Bred cows; Bred and Open Heifers Representing some of the most popular breeding of Angus Cattle today.

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We
Regretfully
Announce

The loss of the
World's Most Adver-
tised bull . . . Prince
105TT. He died in his
paddock in the early
morning hours of
April 15th from an
internal hemorrhage.
We feel that we have
not only lost a great
herd sire, but the
breed has lost one of
its most fabulous
bulls.

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France during World War I. He was widely known as a big game hunter and his museum, a log cabin completely furnished with western gear has been a showplace in Gladewater for years.

Prince 105 of TT \$230,000 Angus Bull, Found Dead

PRINCE 105 of TT, one of the world's highest priced bulls, was found dead early April 17 in a paddock on the Byars' Royal Oaks Ranch, Tyler, Texas. The prize bull died suddenly of an internal hemorrhage, according to ranch manager Tommy Stuart. Stuart said the bull had shown no prior signs of illness. Two Tyler veterinarians and one from Dallas were called to perform a post mortem and ruled the death as caused by internal hemorrhage.

The bull achieved national fame three years ago when Bedford Wynne of Dallas and Billy Byars of Tyler paid \$115,000 for a half interest from Urban Simon of Wichita, Kans. The bull was widely publicized when he was led into the governor's suite of Tyler's Blackstone Hotel to be photographed with pretty girls, city officials and cattlemen.

Wynne sold his one-fourth interest about a year ago to Horace Garrett, who has a ranch near Big Spring.

Prince 105 of TT had sired more than 1,000 sons and daughters, many of them show winners. Stuart said Byars Royal Oaks Ranch had expected to use the bull at least two more years.

He was buried on Royal Oaks Ranch.

Aberdeen-Angus Transactions

Ben R. Eppright of Austin, Texas, sold a bull and a cow to K. B. Thompson and four cows to W. L. Col, both of Austin, and a bull to Elizabeth W. Blanton of Granger, Texas.

O. Alton Watson of Oklahoma City, Okla., sold a bull each to Leo McMakin and W. H. Havens of Norman, Okla., and D. D. Green of Purcell, Okla.

Louise C. Barry of Keller, Texas, sold 19 cows and four bulls to James P. Neill of Dallas, Texas.

C. E. Appleby of Norman, Okla., sold ten cows to S. C. Rainbolt of Noble, Okla.

Willie Murchison of Menard, Texas, sold 48 cows to Russell, Spencer, Lewis and Couch of Menard.

Louise C. Barry of Keller, Texas, sold seven cows to F. W. Menser of McKinney, Texas.

D. F. Allen of Dimmitt, Texas, sold a bull to H. L. Crum of Dimmitt, and eight cows to J. R. Smithson of Dimmitt.

Cecil Irby of Winnsboro, Texas, bought three bulls from Roger J. Thompson of Winnsboro.

J. W. Gorman of San Antonio, Texas, sold ten bulls to G. A. and Ed Lowrance of Truscott, Texas.

George W. Graham of Wichita Falls, Texas, sold 18 bulls to Gilberto Valdez of Chihuahua, Mexico.

Selling...

300

HEAD

- ★ REGISTERED ANGUS COWS
- ★ COMMERCIAL ANGUS COWS
- ★ REGISTERED ANGUS BULLS

in the...

Texas Angus Roundup

JUNE 3
10:00 A.M.

SALE

TYLER,
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OFFERING — BOTH REGISTERED AND COMMERCIAL COWS; COWS AND CALVES;
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THERE WILL BE SOMETHING FOR EVERYONE—A LOT OF GOOD CATTLE AND A
LOT OF GOOD BARGAINS.

THE SALE WILL BE HELD AT THE TYLER LIVESTOCK AUCTION COMPANY PAVILION.

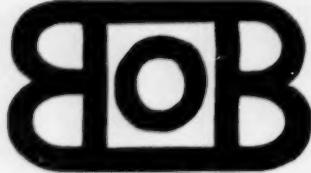
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THE BRAND MAKES A DIFFERENCE---

"Set a thief to catch a thief" is an old saying that resulted in the selection of the "Bob on the Square" brand of J. C. Newton in Rockwall County, Texas. The rancher wanted a design that a rustler couldn't change into any other brand without it's being detected, so he consulted an expert. "Bob on the Square" was designed for Newton by a traveling horse thief! This shifty gentleman apparently knew his trade, since the brand was never successfully altered.

Many different reasons influenced the selection of each of the thousands of cattle brands used throughout the range country . . . and there are just as many good reasons for providing modern herds with RANCH HOUSE brand Mineralized Stock Salt. The brand still makes a difference, and RANCH HOUSE brand means finer, healthier animals and higher profits.

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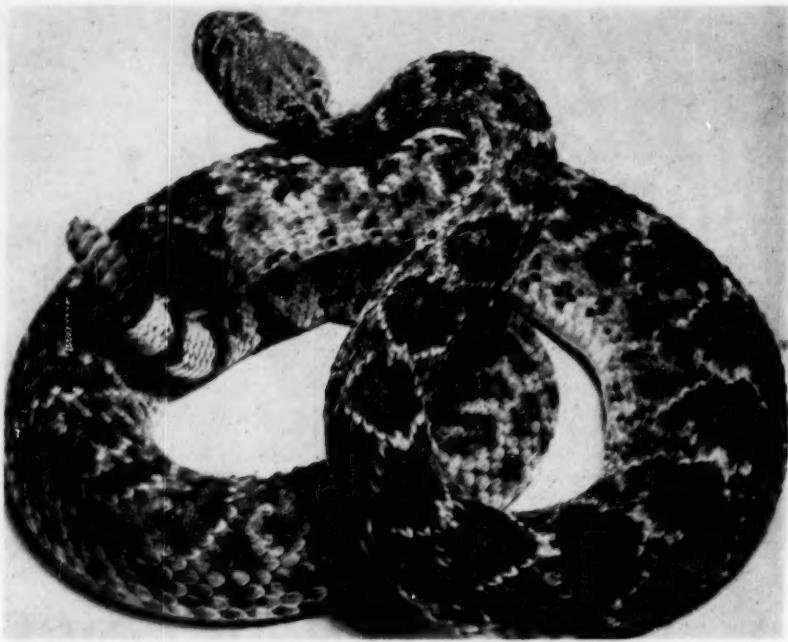


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The Diamond Back Rattler

By JEWELL CASEY

While many persons have a strong resistance to snake venom, the bite of a poisonous snake is nothing to make light of, but should be given first aid treatment as soon as possible. The outdoorsman should always carry a snake bite kit when in snake-infested areas. This is the first of a series of short descriptive articles about snakes that will be published in *The Cattlemen*.

The Diamond Back is one of the 18 species of rattlesnakes native to the Americas only. Regardless of the size, which may range from 20 inches to more than 7 feet in length, in a variety of colors and markings, each rattlesnake can be identified for the rattler.

Contrary to popular belief a rattlesnake does not always warn before striking; it does not have to be coiled to strike, and it cannot strike its entire length. A new rattle is added each time a snake sheds its skin, which may be three or four times each year.

Extracting the fangs of a snake does not permanently render it harmless, but only until new fangs replace those extracted.—Photo U. S. Fish and Wildlife Service.

Modern Highway Becomes Cattle Trail

Huebner Brothers, Bay City, Texas, recently drove these cows and calves from winter pasture on Matagorda peninsula salt grass to summer pasture on their ranch south of Bay City. About 700 cows were driven 40 miles in the move to summer pasture and a good part of the drive was on Highway 60 between Matagorda and Bay City.



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Outstanding 4-5 yr. cows (20 S & 40 S) in good condition . . . all have calves at side or are heavy springers. From Armstrong, Richard King, Luling Foundation and other leading herds. Bred to our top King Ranch Bulls.

30 10-15 months heifers—should classify 50% S and 50% S

10 Top 12-16 months old bulls that should classify S bulls.

4 2-yr. Certified bulls, ready for service.

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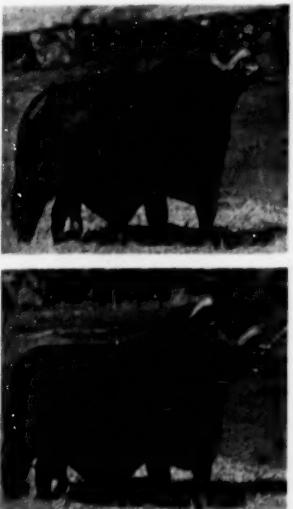
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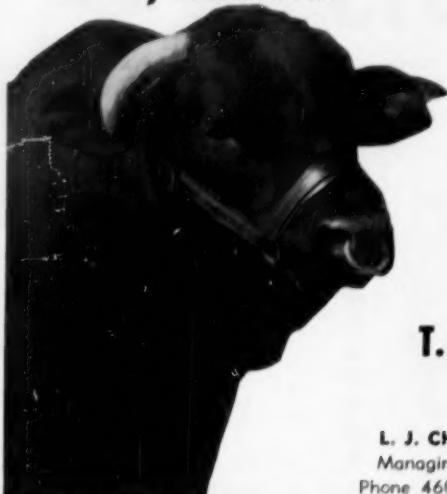
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Contact us for the best in
Santa Gertrudis Bulls and
females. "Top Quality Cattle
at Realistic Prices."

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EL CAPITAN**

"This bull represents the kind of Santa Gertrudis cattle we are trying to produce."

NINE BAR RANCH

Cypress, Texas

*Gus S. Wortham
Sterling C. Evans*

El Capitan

This bull is owned jointly with Payne Briscoe, Dilley, Texas.

The Cattlemen—Subscription rates: One year, \$2; three years, \$5;
five years, \$8; foreign, one year, \$4.

Kleberg County FFA & 4-H**Santa Gertrudis Sale****SUMMARY**

14 Females \$8,950; Avg. \$639

FOURTEEN heifers brought an average of \$639 at the annual Kleberg County FFA and 4-H Santa Gertrudis sale held at Kingsville, Texas, April 10. The heifers were fitted by club members and were provided by breeders of Santa Gertrudis in Texas.

Top selling heifer was an animal with future show possibilities fitted by Mack Taplin of Kingsville and bred by Ed Ramond of Raymondville. She sold to Richard M. Kleberg, Jr. of Kingsville for \$2,600 and was presented to Texas A&I College at Kingsville. Kleberg also purchased a heifer fitted by Jack Burchers and bred by Dave Odem, Kingsville for \$1,025, also presented to the college. A heifer fitted by Buddy Schonefeld of Riviera and bred by Payne Briscoe of Dilley sold to Dr. Z. T. Scott of Austin for \$1,025.

Walter Britten was the auctioneer.

King Ranch Santa Gertrudis Sale**SUMMARY**

25 Bulls \$157,775; Avg. \$6,311

TWENTY-FIVE Santa Gertrudis bull yearlings brought an average of \$6,311 at the seventh annual sale held by the King Ranch, Kingsville, Texas, April 10. A large crowd attended the event which was held on the ranch where the breed was originated.

Top selling bull of the sale was purchased by R. D. Keene of Winter Garden, Fla., on a bid of \$18,000. He also purchased another bull for \$10,600. Winrock Farms, Morrilton, Ark., purchased three bulls for \$11,000; \$8,400 and \$8,000. William DuPont of Wilmington, Del., bought five bulls at \$16,000; \$9,300; \$8,000; \$8,000 and \$6,200. Mirasol Ranch, Uvalde purchased the largest number of bulls taking five at \$10,750; \$7,200; \$5,200; \$2,400 and \$2,400. John Shartel of Troy, Ohio, paid \$5,500 for a bull.

Walter Britten was the auctioneer.

San Antonio Hereford Stocker-Feeder Sale

MORE than 1,200 head of cattle were offered in the Hereford Stocker-Feeder sale held at the Union Stock Yards, San Antonio, April 18, with steers selling in a range of \$18-\$25 and heifers in a range of \$17-\$23.

First prize winners in the various classes follow:

Pen lots of 10 steers—R. Mathers, Brownsville, Texas.

Pen lots of 20 steers—Pete Tumlinson, Crystal City, Texas.

Pen lots of 40 steers—Howeth & Mason, San Antonio, Texas.

Pen lots of 10 heifers—Howeth & Mason, San Antonio, Texas.

Pen lots of 20 heifers—Ralph Ellis, Beeville, Texas.

Pen lots of 40 heifers—C. F. Schwab, San Antonio, Texas.

Santa Gertrudis Demonstration at Columbia, S. C. May 24

SANTA Gertrudis Breeders of South Carolina will meet for a classification demonstration and semi-annual session at Black Creek Ranch near Columbia, S. C., May 24.

Frank Leigh, classifier for Santa Gertrudis Breeders International, will give the demonstration as he classifies cattle of Dr. John L. Gunter, owner of Black Creek Ranch.

Packing company officials, as well as livestock men, will grade some of the steers.

Dr. R. F. Wheeler, head of the Animal Husbandry Department at Clemson College, will discuss cattle-breeding aspects of particular interest to South Carolinians at present.

East Texas Santa Gertrudis Sale

SUMMARY

22 Bulls	\$ 7,800; Avg.	\$345
42 Females	12,936; Avg.	308
64 Head	29,736; Avg.	324

EAST Texas Santa Gertrudis Breeders sponsored their 5th annual sale at the Callan Ranch, Waco, April 13 with 64 head of cattle selling for an average of \$324. The cattle were not highly fitted and a late season cold snap brought disagreeable weather which greatly reduced attendance at the sale.

J. T. Dinn and Son, Bruni, Texas, topped the sale by paying \$1,300 for George III, a two-year-old bull consigned by Dan Lester's Guarding Oak Ranch at Jefferson. A bull consigned by John H. Wilson of Fort Worth sold for \$700 to T. C. Adams of Bethany, La. Dr. J. C. Erwin, Jr., of McKinney, paid \$600 for a bull consigned by Thomas Y. Pickett of Dallas.

Top of the female offering was \$700 paid by John H. Wilson for Carmelita, a two-year-old heifer consigned by Ray Cowart of Henderson. E Bar S Ranch of Mesquite paid \$550 for a heifer consigned by H. U. Garrett of Longview.

King Ranch Quarter Horse Sale

SUMMARY

25 Head	\$39,275; Avg.	\$1,571
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A NEW record was set at the seventh annual sale of Quarter Horse colts and fillies held by the King Ranch, Kingsville, Texas, April 10 when 25 head of top horses sold for an average of \$1,571. The previous top average was \$1,358 set in 1955.

Eddie Porath of Detroit, Mich., topped the sale when he paid \$4,000 for a light chestnut filly by Hired Hand's Cardinal. Porath also purchased a chestnut stud colt by Hired Hand II for \$3,550 and another filly by Wimpy, Jr. for \$3,000. Loyd Jinkens of Fort Worth paid \$2,275 for a stud colt by Hired Hand II and William DuPont of Wilmington, Delaware, paid \$2,000 for a colt by Hired Hand's Cardinal. J. A. Lawton, Sulphur, Oklahoma, paid \$2,200 for a Wimpy filly.

Buyers from Texas, Oklahoma, Delaware, Ohio, Michigan, Louisiana, Florida and California bought the horses. Walter Britten was the auctioneer.

★ DISPERSION ★

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"Davy" Crockett, 1955 Show Bull—Weight
1790 pounds at 23 months"

DAVY CROCKETT
39 month old Certified
S Santa Gertrudis Bull
AND OUR ENTIRE
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of about 17 cows

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24 young S & S bred cows
1,000 to 1,200 lbs.

50 yearling heifers
750 to 900 lbs.

40 good yearling bulls
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6 young S bulls
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Ewell E. Farley, Harlan, Ky.

Pioneer Santa Gertrudis Sale

SUMMARY		
8 Bulls	\$19,824; Avg.	\$2,478
24 Females	43,602; Avg.	1,777
34 Head	63,426; Avg.	1,865

MALTSBERGER Ranch, Cotulla, Texas, topped the fifth annual Pioneer Santa Gertrudis Sale held at Briggs Ranch, San Antonio, Texas, April 11 with a bull that sold to Winrock Farm, Morrilton, Arkansas, for \$8,000, an all-time top for the sale. The bull was Sancho II, a coming three-year-old.

The 34 head of cattle offered brought an average of \$1,865, and were consigned by 10 pioneer breeders in South Texas.

Ed Landreth, owner of Landreth Farms, Edinburg, Texas, topped the female offering by paying \$5,275 for a cow with a bull calf at side by El Torazo. This pair, consigned by R. W. Briggs, Jr. of San Antonio, showed excellent quality. The Torazo bull is the \$40,000 King Ranch bull that the pioneer group purchased several years ago.

Yolanda, a heifer consigned by the Maltsberger Ranch, sold to the King Ranch for presentation to Texas A&I

College, Kingsville, for \$3,800. Palmer Ranch, Sarasota, Florida, paid \$3,000 for a heifer consigned by Walter W. Cardwell, Jr., Lockhart, Texas, and Winrock Farm paid \$3,000 for a two-year-old bull that was the highest gaining bull ever tested for rate-of-gain by the Texas Experiment Station at McGregor, Texas. He was consigned by R. W. Briggs, Jr. J. Grant Glassco of Toronto, Ont., Canada, bought four head of cattle.

Walter Britten was the auctioneer.

New Cattle Wormer Formula Combats Worm Infection

RECENT intensive research and testing have brought about another development in the continuous campaign to improve the health of cattle through the control of internal parasites.

Numerous tests on the effectiveness of phenothiazine drenches have proved that worm killing depends on getting a great enough concentration of the dose in the fourth stomach and intestines in sufficient quantity to produce the necessary results.

Research shows there are no dangerous parasites in the system of cattle until the fourth stomach is reached. Tests have indicated there is a considerable difference in the effectiveness of phenothiazine drenches. In some drenches a great portion of the dose is lost or absorbed before it reaches the fourth stomach. The small amount of ordinary drench that goes into the fourth stomach lacks sufficient quantity to kill resistant worms.

Tapeworms, wire worms, bankrupt worms and other common stomach worms which have been resistant to regular treatments can now be safely and economically controlled. An easily administered drench which has resulted from extensive research is proving more highly effective in killing these intestinal worms. This new formula was inspired and developed when it became evident in many cases the cattle did not respond to usual treatments. The improved formula is known as Tena-Bov. It was developed and is manufactured by the Texas Phenothiazine Company.

This cattle wormer is helping livestock men meet an increasing need for combating worm infections. There is no interference with normal chemical and bacterial actions of the digestive processes according to the manufacturer. It is given on a full stomach. It is reported there is no weight loss as compared with drugs which upset digestion by requiring a fasting period.

Research over the last few years, both in the field and in the laboratory, indicates that the presence of worms causes a tremendous drain on the animal's body. Stomach and intestinal worms are among the most costly enemies of the cattle raiser. Several million dollars of livestock income are lost annually through weight losses, inability of cattle to get proper nourishment from feed and a decrease in calving—all traceable to worms. It has been shown that worms prevent full conversion of carotene into Vitamin A, an essential element necessary for high and continuous calf production. It has been observed that even though green forage is available, wormy cattle may be deficient in this vitamin.

Internal parasites also interfere with the absorption of essential minerals such as calcium and phosphorus. Other evidence of this costly enemy is the fact that worms retard normal metabolism of proteins thus decreasing the nutritive value of available food and preventing animals from making normal growth and weight gains.

FOR SALE SANTA GERTRUDIS HERD

3 herd sires



20 cows and calves

(cows are 5)

25 heifers

(18 to 24 months old,
ready for classification)

FOR SALE AT LOWEST PRICES E. C. CANALES

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Premont, Texas

RANGE or FEEDLOT

The Santa Gertrudis is a top performer. Its resistance to heat, drought, pests and pink eye, and its ability to gain on grass alone is making it more and more popular with cattlemen who demand a combination of ruggedness and quality beef.

Write Us for Information



SANTA GERTRUDIS BULLS

These young bulls will fit the needs of both Purebred and Commercial Breeders.

They have been raised in the Panhandle and have proved their ability to rustle for themselves and put on great gain.

CAMERON BEAM
WELLINGTON, TEXAS

To Hold NCHA Membership Meeting in Odessa in 1958

THE executive committee of the National Cutting Horse Association, meeting in Fort Worth April 14, decided to hold the 1958 membership meeting in Odessa, Texas, during the Sand Hills Hereford and Quarter Horse show.

American Beef Cattle Registry Association Meets In Louisville

THE American Beef Cattle Registry Association held its second annual meeting in Louisville, Ky., March 29-30 with a large representation of the major beef breeds present. The association now has 87 members from 17 states and Canada with upwards of 500 animals entered in the registry. Included are 376 Herefords, 52 Angus and 9 Shorthorns. These animals have all qualified under weaning weights or 140-day gain tests, or both, and certificates have been sent to their owners.

The association is conducting a membership drive, hopeful of becoming representative of all beef breeds.

Max A. Blau, Follett, Texas, (Hereford) is president; Glenn Burrows, Santa Fe, N. M. (Polled Hereford) is president-elect; Charles Codding, Foraker, Okla., (Hereford) is first vice-president; F. R. Carpenter, Hayden, Colo., (Hereford) is second vice-president; C. A. Morrow, New Windsor, Md., (Angus) is third vice-president; and M. R. Calliham, Canyon, Texas, is executive secretary.

Directors are: Perry Lunsford, Dallas, Texas, chairman, (Hereford); Glenn Butts, Fairland, Okla., chairman-elect (Polled Hereford); Carlton Corbin, Ada, Okla., (Angus); A. K. Mayer, Tucson, Ariz., (Hereford); Henry E. Swanton, West Buxton, Maine, (Hereford); William B. Ellis, Cascade, Mont.; B. H. Graham, Pauls Valley, Okla., (Angus); Percy G. Powers, Perryton, Texas, (Angus); Carl K. Butt, Clayton, N. M., (Hereford); Bill Littrell, Cimarron, N. M., (Hereford); and Robert C. Haigler, Bloomingburg, Ohio, (Hereford).

Fort Worth Horseshoe Club Children's Show June 8-9

THE Fort Worth Horseshoe Club will hold its seventh annual Children's Horse Show and Rodeo at the club's headquarters June 8-9. Classes will include conformation and horsemanship, barrel races, flag races, wild calf roping, riding, cutting and reining, and a calf scramble with cash prizes attached to the tails of the calves. One entry fee of \$2 will cover all classes. Only children under 18 years old are eligible to compete.

E. A. Corbett, show chairman, has announced that the premium list will approximate \$2500, including six \$225 handmade saddles, several dozen beautiful trophies, ribbons and other prizes.

Pan-American Exposition Offers \$86,095 in Premiums

THE State Fair of Texas will award premiums totaling \$86,095 in its Pan-American Livestock Exposition and Junior Livestock Show during the 1957 State Fair, Oct. 5 through 20.

The total is \$2,945 more than the fair's 1956 premiums.

Pan-American premiums amount to \$68,533 for beef and dairy cattle, swine, sheep, Angora goats, horses and ponies. The Junior show premium list totals \$17,562 for dairy animals, steers, pigs and lambs.

Pan-American beef cattle premiums total \$24,000, with \$7,500 for Herefords, \$6,000 for Angus, \$4,500 for Brahmans,

\$3,000 each for Santa Gertrudis and Shorthorns.

The dairy cattle premium total of \$17,700 is divided into \$6,700 for Holsteins, \$5,000 for Jerseys, \$4,000 for Guernseys and \$3,000 for Milking Shorthorns.

Of the \$12,910 allocated for the horse shows, \$4,000 will go to Shetland ponies, \$3,840 to Quarter horses, \$3,070 to Palominos and \$2,000 will be awarded in the open cutting horse contest.



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Certain
of Your



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Breeders Report Excellent Results
from Advertising in

The Cattlemen

Texas Shorthorn Breeders Meet in Ennis

DIRECTORS of the Lone Star Shorthorn Association met March 31 at the Gerald Tolleson place near Ennis, Texas, and approved a state-wide program of information and communications concerning the association and general news and information concerning the breed. Bill McDougall, Houston, was appointed to coordinate this work. The directors' meeting was held in conjunction with the field day sponsored by the Ellis County Shorthorn Breeders Association which was transferred to the gymnasium at Ennis because of a heavy downpour of rain. Dug Redden, Ennis, president of the Ellis county group, was in charge of the program.

The following officers and directors were present: Vernon Scofield, Austin, president; John P. Boren, Jr., Ennis, vice-president; N. L. Haupt, Jr., Bryan; Bernard Friedlander, Tyler; Jack Saul, Hutto; Frank Littret, Buda; Carl Duke, Oglesby; John Arden, Waxahachie; Dean Miller, De Leon, and Mrs. R. L. Hardy, Madisonville.

During the course of the field day program, Ted Aegeiter, representing the American Shorthorn Association, presented W. R. Watt, president of the Southwestern Exposition and Fat Stock Show, with a trophy of a Shorthorn bull from the Shorthorn breeders and the association for the many favors and courtesies to cattlemen as manager of the show.

Texas Herd Second in Shorthorn Registrations

THE FIRM of Otto Thiede and Sons, Burton, Nebr., recorded 156 head to top Shorthorn and Polled Shorthorn registrations for the second straight year, according to 1956 figures released by the American Shorthorn Breeders' Association.

Runnerup, also for the second year in a row, was the Lone Star Herd of R. E. Smith, Alief, Texas, which registered 115 animals. In 1955, Thiede recorded 171 head and Smith had 112.

Third place with 96 registrations went to another horned breeder, J. C. Price, Conrad, Mont.

Kahler Bros., St. Charles, Minn., moved from eighth place in 1955 to lead the Polled Shorthorn recorders with 93, an increase of 26 over the previous year.

Second place in Polled recording again went to Lynnwood Farm, Carmel, Ind., with 89. Creekland Farms, Clinton, S.C., took third, with 85.

Range Riders Rodeo

The Will Rogers Range Riders of Amarillo, Texas, will hold their 14th annual show on July 3-7, inclusive. They will have a cutting horse contest on the 3rd and a rodeo each day, with two rodeos on July 4. The cutting horse contest will be held under the sponsorship of the Hi-Plains Cutting Horse Association. Prizes include \$750 in cash, with entry fees added.



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**MONDAY, JUNE 10th
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WIMPY 2d P-3433 by Wimpy P-1
LEO P-1335 by Joe Reed 2d
CHICO P-226 by Zantanion
WAGGONER'S RAINY DAY P-13 and other top Waggoner studs
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Sam Shipley, Morris
Sam Johnson, Henryetta
J. C. Foster, Stigler
James Mikles, Stigler
Floyd Gale, Morris
French Bros., Ft. Gibson

and other top breeders whose consignments were not definite when this went to press.

AUCTIONEER . . .

Walter Britten

Tips On The Weather

By WALT THE WEATHERMAN

MARCH AND April, 1957, have been hectic months for Walt the Weatherman. My regular job is forecasting the weather for American Airlines. The particular area for which I regularly write forecasts is bounded on the east by Nashville, on the north by St. Louis and Wichita, on the west by Albuquerque and El Paso, and on the south by Mexico City. Old Mother Nature has really "thrown the book" at this area.

First, there was the big snowstorm centered in the Oklahoma Panhandle. Then, a tornado cut a swath through the west side of Dallas. The latest freeze on record extended south into Central Texas. Thousands of thunderstorms and hundreds of tornadoes have raked the middle of the United States from the southern tip of Texas to the northern tip of Minnesota, causing floods and much wind damage.

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What has caused this radical change in the weather? Why is it so different from the hot drouth-ridden past eight years?

Pattern Difficult to Determine

Long-range forecasts are based on the assumption that a certain weather circulation pattern will persist during the forecast period. Nothing could be more difficult than the determination of this pattern. But let's assume that the dominant circulation can be forecast for the next week, month, or year. What sort of pattern would produce the wild spring weather we have been experiencing?

Just a few years ago weather thinking was considerably "shaken up" by the discovery of the "jet stream." A narrow band of high-velocity winds at upper levels, meandering around the earth like a river, simply didn't fit the meteorological concepts of the day. Last month,

we talked about the way low pressure areas tend to form beneath and slightly north of the "jet stream." In my article on tornadoes, several months ago, the "jet stream" was cited as a prime factor in the production of these destructive storms.

This spring Walt has noted that the "jet stream" has often been found near the Los Angeles-Phoenix-Albuquerque-Amarillo-Kansas City line. So let's say that along this path, at 25,000 feet, the wind has been blowing from the southwest at speeds well over 100 miles per hour. (Winds of this velocity certainly affect the ground speed of a high-flying DC-7.) This has been the dominant circulation pattern. Occasionally, an intense "low" forms in southeastern Colorado and remains stationary. This occurred in the case of the "big blizzard" that blanketed the area north of Lubbock to western Nebraska.

"Unstable" Atmosphere

Now, consider this. The circulation around a low pressure area is counter-clockwise. If a "low" is centered somewhere in the area from southeastern Wyoming southward to the Big Bend area of Texas, it causes a south wind to blow strongly across Texas, Oklahoma, and Kansas. This south wind is moisture-laden, and it is warmer than the wintertime south wind. Afternoon high readings are in the 90-95 degree bracket in southwest Texas. When this warm, wet air reaches the "jet stream" location, it rises rapidly to form towering thunderheads. The warm air in the lower levels and the cold air aloft associated with the "jet stream" has created the "unstable" atmosphere where the air in the lower levels tends to rise.

This spring, the "jet stream" has dipped southward a few times with a path across northern Mexico and central Texas. Lines of severe thunderstorms and tornadoes have resulted.

During the recent drouth years, the "jet stream" remained well north of the position that has been common to Spring, 1957. This caused warm, dry west winds aloft and a "stable atmosphere." You might say that the break in the drouth over a large section of the southern Plains area of the United States has been brought about by a change in the path of the "jet stream" that has persisted during the first four months of 1957.

Walt is beginning to believe that the coming summer will be much more pleasant than the past several "scorchers." He is counting on a long-range persistence of the current weather pattern.

Allen Williams, Finney county rancher, has been appointed Kansas state brand inspector by Governor George Docking. Williams, who replaced Charles R. Lake, was recommended by the Kansas Livestock Association.

Breeders Report Excellent Results

from Advertising in

The Cattlemen

Livestock Marketing Discussed at Institute Banquet

GENE GUNTER, president of the National Livestock Exchange, Wichita, Kans., and R. J. Riddell, executive vice-president, were the principal speakers at a membership banquet of the Fort Worth Livestock Market Institute held in Fort Worth April 3. Around 100 persons were in attendance including a number from the Union Stockyards, San Antonio, and the Port City Stockyards, Houston.

Riddell traced the growth and development of the non-competitive marketing of livestock in Canada from a small beginning until today when 90 per cent of the livestock are marketed without benefit of competitive trading. He mentioned four methods for marketing livestock in Canada: co-operative agency, direct buying by packing interests, the Dutch auction system and the rail weight and grade system.

The rail weight and grade system, he said, started with the initial idea of weighing and grading the animals and later drifted into the practice of adding the price tag that eliminates the producer from having the benefit of representation where his animals are being sold.

Fort Worth commission men were warned not to make the mistake that was made in Canada where they thought "it can not happen to us," and later awoke to the fact that it had happened.

He said he was not making a plea for the commission men individually, but he expressed the belief that if something should happen to our way of marketing livestock as it has in Canada, it would shake the foundation of the economic structure of our nation.

"What the livestock industry needs most," Riddell said, "is to have salesmen who are equally skilled in knowing the values of livestock with the buyer of the packing industry."

Gunter outlined some of the advantages the public terminal markets have to offer. He pointed out that George Washington was among the first to see the potential of our livestock industry, and he established a stockyards at Brighton, Mass., where buyers and sellers met and bargained.

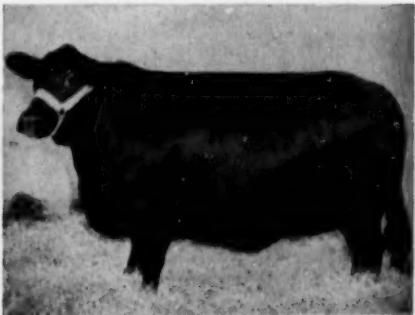
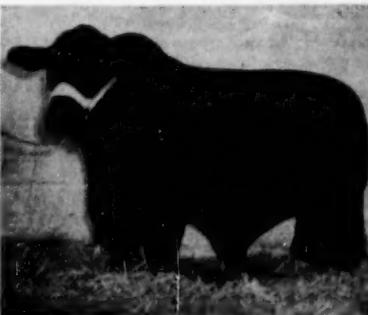
Gunter stressed that it is very important that all segments of the industry be represented by qualified agents when values are being established. He said terminal markets are the place where supply and demand come together and they establish the prices for the industry.

He pointed out that under the rail grade and dress basis the shipper was made to stand all risks of marketing: shrinking, crippling, death and condemnations.

At a meeting following the program, M. Z. Thompson was elected president of the Fort Worth Livestock Market Institute and Jerry Ralls and Harry Fifer were elected vice-presidents. Ted Gouldy was re-elected secretary-treasurer-manager.

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WHR Bred Heifer Sale

SUMMARY

135 Females \$60,210; Avg. \$446

WYOMING Hereford Ranch, Cheyenne, Wyo., held its annual Bred Heifer Sale April 23, with 135 heifers selling in pen lots of three, four and five for an average of \$446.

This was the first WHR sale held since the purchase of the ranch by G. C. Parker, Tulsa, Okla., owner of Par-Ker Hereford Ranch, Chelsea, Okla., and Mr. and Mrs. T. E. Leavay, Los Angeles, Calif. The new owners took over the operation of the ranch in January and appointed George Lazear, son of the late Bob Lazear who managed the ranch for over twenty years, as manager.

Lazear stated in opening the sale that the policy of WHR would remain unchanged and the operation of the ranch would go on as usual. He further stated that WHR is still fully dedicated to the improvement of Hereford cattle, as it has been for the past twenty years since its founding.

The top selling pen of heifers was a pen of three that sold bred to Vern Diamond, the leading WHR herd sire imported from England. The three heifers sold to H. M. Boulbee, Vancouver, British Columbia, for \$1,050. W. Sherman Burns, owner of Mead Creek Hereford ranch, Sheridan, Wyo., paid the second top price of \$1,000 for a pen of five heifers, all carrying the service of Vern Diamond. Conner Hereford Farms, Jackson, Mo., was a major buyer at the sale, taking several of the top pens of heifers. P.C.R. Ranch, Colorado Springs, Colo., took the third top selling pen of five at \$850. They sold bred to WHR Taget 43d.

Cols. Charles Corkle and Jewett Fulker were the auctioneers.

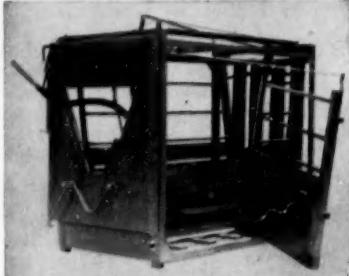
Post Stampede Rodeo May 15-18

MORE than \$3500 in cash prizes are offered in the Post Stampede Golden Jubilee Rodeo to be held at Post, Texas, May 15-18. The show is for non-professional performers only and entries close at 1 P. M. May 15.

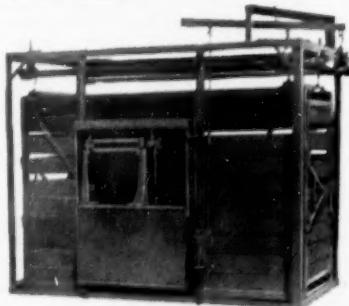
Events include bareback riding, calf roping, saddle bronc riding, wild steer riding, heading and heeling contest, cutting horse contest and cowgirl sponsor contest.

Robert Koonce, Jayton and Avery Moore, Post, will judge the contests.

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AQHA & AQHBA (approved)

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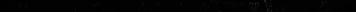
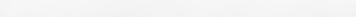
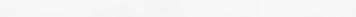
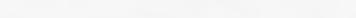
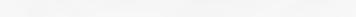
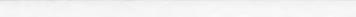
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business, what the cowman must do to help himself out of his present difficulties. He offered several concrete suggestions, among them the following:

"Pull in his belt, cut expenses and quit spending money he does not have to."

"Be more efficient. In Texas we still are far behind other states in calf crop percentage. Many states are saving 85 to 95 per cent of their calves. In Texas we still are getting less than 75 per cent. No industry can expect to operate on that low efficiency."

"Get modern. Put into practice some of the proven results of our Extension Stations that will result in more calves, less death loss, heavier and quicker maturing cattle."

"Better marketing methods. It burns me up to see the big runs at all central markets every Monday morning. Packers will take all week to kill the cattle that are jammed into stockyards the first two days of the week. Surely these receipts could be spread out in an orderly way."

Those forthright suggestions, let me emphasize again, come from a man who knows the cattle business from all angles. His comments deserve consideration by his fellow-ranchers.

Beef Consumption on Decline

The hard fact has to be faced that per capita meat consumption has not kept up with increases in per capita income. Economists of the U. S. Department of Agriculture have predicted a decline in the per capita consumption of beef from last year's figure of about 83 pounds per person to around 74 pounds per person by 1960 or 1962.

This prediction poses a challenge to the cattle industry that it must meet if

it is to pull out of its present troubles and get back on a sound economic basis. Personally, I have solid faith that the challenge will be met. The kind of men who constitute the human side of the ranching business do not give up easily. The experience of the past few years is proof enough of that.

A sick cattle industry is bad for the whole country. A healthy cattle industry is good for the whole country. Those are two fundamental facts that need to be told—repeatedly and convincingly—to the American people and to their representatives in the Congress.

As senator from Texas, I will continue to do my best to present the facts regarding this great Texas business. I solicit and will be grateful for the co-operation of members of the Texas and Southwestern Cattle Raisers Association in my endeavors. The Association is an organization for which I have the utmost respect and with whose officials and members I am always glad to work.

Hull-Dobbs Polled Herefords Sell For An Average of \$929

SUMMARY

17½ Bulls	\$25,675; Avg.	\$1,467
39 Females	26,835; Avg.	685
56½ Head	52,510; Avg.	929

THE Hull-Dobbs ranches Second Annual Production sale was held at the headquarters ranch near Walls, Miss., April 2. A top offering of Polled Hereford cattle attracted a large crowd of interested spectators and buyers with cattle selling into 11 widespread states.

A Hull-Dobbs bred bull, Polled Zato Heir 27th, a son of TR Zato Heir 27th, owned jointly by Hull-Dobbs and Turner Ranch, Sulphur, Okla., was a feature of the sale when a one-half interest was sold to a three-way-partnership including Double E. Ranch, Senatobia, Miss., Murrieta Hereford Ranch, Murrieta, Calif., and Dr. Carl Allen, Hemet, Calif. The other half interest was retained by Byrle Killian, Stillwater, Okla.

The second top bull was purchased by Ault & Co., Charleston, Mo. He was HDR Royal Domino 18th, an April 1955 son of HDR Royal Domino and out of a Gatesford Victor Domino 26th dam. A top son of CMR Larryrol 15th out of a Domestic Mischief 53rd dam sold to W. C. Bryant, Dorena, Mo., on the bid of \$3,200.

Topping the female offering was a polled daughter of TR Royal Zato 27th that sold open with a breeding privilege to Dr. J. N. Thompson, Pottsville, Ark. Second top female at \$2,200 was HDR Royal Lady 16th, purchased by W. D. Cannon, Brownsville, Tenn., who was a consistent buyer of the top heifers offered. A show heifer, HDR Royal Maid 14th, sold for \$2,000 to Malone Ranch, Meridian, Miss. She sold bred to the Register of Merit Sire, Gold Mine.

Cols. Jewett Fulkerston and A. W. Hamilton were the auctioneers.

All progressive cattlemen read

The Cattlemen

*The Cattlemen***Texas-Oklahoma Hereford
Breeders Elect Officers**

THE Texas-Oklahoma Hereford Breeders Association held its spring meeting in Wichita Falls April 5 and elected Dr. George A. Tallant, Frederick, Okla., president. Henry Arledge, Seymour, Texas, was elected vice-president; Jack H. Martin, Wichita Falls, treasurer; Max Carpenter, Wichita Falls, secretary; and W. B. Hamilton, Wichita Falls, chairman of the board. Hamilton is the retiring president.

New board members include Tommy R.

Medders, Jr., Wichita Falls; Logan D. Hyder, Chattanooga; Charles Neblett, Jr., Stephenville, Texas; Lee Atkinson, Throckmorton, Texas; James P. Boddy, Henrietta, Texas; G. C. Parker, Tulsa, Okla.; J. S. Bridwell, Wichita Falls, Texas; J. K. Dobbs, Fort Worth, Ralph E. Fair, San Antonio; W. H. Hammon, Wichita Falls; Haskell Holloman, Frederick, Okla.; Glen Turner, Dallas; Jack Lewis, Wichita Falls; and Paul Colvert, Ardmore, Okla.

Under discussion during the meeting was a proposal to investigate the possibility of adding a range bull sale for

small ranchers to the yearly Iowa Park Fair. A three-man board composed of Fenton Dale, and Joe Price of Iowa Park and Max Carpenter of Wichita Falls which has been working on arrangements, expressed the desirability of such a sale which would be held after the regular show sale. Iowa Park has scheduled this year's show from Sept. 23-29.

Dr. Tallant called upon members of the association to work toward building the annual Wichita Falls bull sale, scheduled December 6, into one of the country's largest.

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The cost of membership in the Association is \$6.00 annual dues and 12 cents per head per year assessment on the number of cattle rendered.

The Association employs inspectors of the markets and principal shipping stations on the range. Field inspectors are also employed to travel over the range and investigate reports of cattle stealing, etc. Association attorneys assist in the prosecution of those charged with theft of cattle owned by members.

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The Cattleman magazine yearly subscription (optional)	\$3.00
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Total includes dues, cattle rendered, The Cattleman and NLSMB \$	

If you prefer you may just show the number of cattle you wish to render and we will mail your statement for correct amount of dues.

Fill out the application below, enter your brands on the back, tear out and mail today to Texas and Southwestern Cattle Raisers Association, 410 East Weatherford Street, Fort Worth, Texas.

19

To the President and Members of the Texas & Southwestern Cattle Raisers Association:

The Petition of the subscriber represents that he is desirous of becoming a member of the Association and I CERTIFY THAT I HAVE RENDERED NOT LESS THAN 65% OF THE CATTLE I AM HANDLING. In case of acceptance I agree and bind myself to conform to the By-Laws governing the Association, and to pay all dues, assessments and other charges provided for by the Association, at Fort Worth, Texas.

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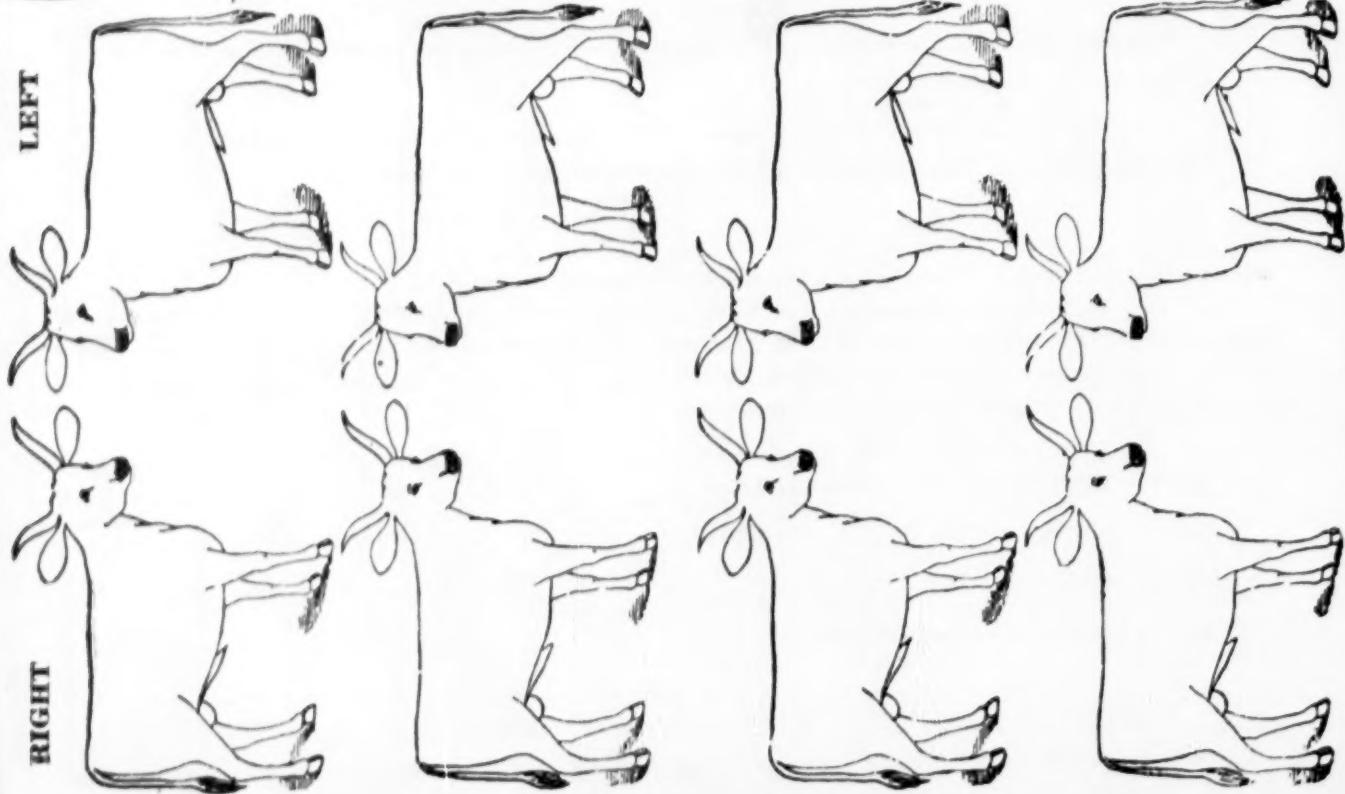
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Signature of Applicant

(Over)

REMARKS

(For Instructions See Other Side)

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Livestock Markets Review

Price Range at Fort Worth, Houston, San Antonio and New Orleans During Past Month

FORT WORTH Rather light supplies of mature cattle were offered on the Fort Worth Livestock market during April, while prices on most classes showed an upward trend. Total cattle receipts on the local market during the first three and one-half weeks of Spring were about 1,300 head short of a year ago, while calves show a similar gain over a year ago. Local hog receipts this month were about 1,400 short of a year ago, but sheep and lamb supplies were 10,000 more than for the same period in April last year.

Recent sales of good and choice slaughter steers were \$1.50-2.50 higher than a month ago and utility grades steady to \$1.00 higher. Heifers were \$1.00-3.00 higher. Utility and commercial cows were steady to \$1.00 higher, with cannery and cutter cows 50c-\$1.00 higher. Most bulls were steady, with some cutter bulls \$1.00 higher. Slaughter calves were \$1.00-2.00 higher than a month ago. Most stocker and feeder cattle and calves were steady to \$1.00 higher than a month ago, but some of the stocker calves were a little lower.

Around one third of the mature offerings in the cattle yards this month were cows and a good share of the remainder yearlings, both steers and heifers, including some just above the calf age. Good and choice slaughter steers and yearlings crossed the scales from \$20.25-24.00, including choice heifers to \$24.00 and high choice county show yearlings to \$24.50 and individuals to \$25.00. Steer sales included weights from 1,100 to 1,427 lbs. while many of the yearlings were 550 to 870 lbs. Standard grade yearling steers and heifers cashed from \$17.50-20.00, with cutter and utility grades from \$11.00-16.00.

SAN ANTONIO All cattle classes, with the exception of slaughter cows, showed price advances in trading on the San Antonio market during April. Slaughter cows were 50c-1.00 or more lower, as com-

pared with prices at the close of the previous month.

Slaughter steers and yearlings were 50c-\$2.00 higher and slaughter heifers were 50c-\$1.50 up. Bulls and stocker calves were steady to 50c higher while slaughter calves were up 50c-\$1.00.

Bulk of high standard to average good slaughter steers and heifers scaling 525-750 pounds moved in a \$19.50-22.00 price spread. Average to high good scored \$22.00-23.50 and small lots mostly high good to low choice were taken at \$23.50-24.25. A moderate volume of mostly

standard sold at \$18.50-20.00 with Utility to low Standard at \$17.00-18.50.

Bulk of cutter and utility cows earned \$10.50-13.00 with utility going at \$13.00-14.25. Loadlots of high-yielding utility to commercial ranged \$14.25-15.00. Cannery and cutters claimed \$8.50-11.00, mostly \$9.00 up. Utility to commercial bulls scaling more than 1,000 lbs. sold in a \$13.50-14.75 spread with a few individuals touching \$15.00. Cutters and weights under 1,000 lbs. took \$12.00-13.50.

Bulk of average standard to average good slaughter calves cashed at \$19.00-

Safeway Stores Demonstrate Facilities

Earl Cliff, Safeway Division Manager, extreme right, and District Manager Carl Foster at his side, discuss Retail Store facilities with group. (l to r) Back to camera—A. V. Morrison, Garland, Ernest Duke, Ted Alexander, J. B. McCord, Carr Pritchett, Joe Finley, Jr., W. R. (Bud) Thurber, Carl Foster and Earl Cliff.



A GROUP of cattlemen from all areas in Texas had an opportunity to look over the new and excellent facilities which Safeway Stores have established in Dallas. This group was entertained at a dinner at the Adolphus Hotel in Dallas on Sunday night and the next day were taken on a tour through their modern warehouse at Dallas.

One of the most interesting phases of the entire program was a meat-cutting demonstration in which a side of beef was cut, wrapped and prepared for retail sale. Each cut was weighed and the percentage of each cut of the entire carcass was figured. Cattlemen were shown in this demonstration how much of the

carcass was put in the tallow barrel and how much in the bone pile. Each cut was then priced at what it would sell in Safeway Stores that day. A 286-pound side of beef, which cost 37 cents a pound, or a total of \$105.82, was priced later at \$136.32, allowing a profit of \$30.50 on the side. Many were surprised to learn that only 13 pounds, 11 ounces of the 286-pound half carcass was cut into T-bone steaks, which retailed at \$1.13 per pound. Bones counted for 30 pounds, 9 ounces, and suet 41 pounds, four ounces. The bones brought three-fourths a cent per pound and the suet one and one-half cents.

Earl Cliff, division manager, was host to the group.

Announcing — Angus Stocker - Feeder Sale

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21.00, with a modest supply of mostly good going at \$21.00-22.50. Small lots of high good to low choice earned \$23.50-24.50. Standard ranged at \$18.00-20.00 and utility to low standard cashed at \$16.50-18.50 with culs at \$16.00 and less.

HOUSTON Trading was generally active for the supplies of cattle on hand at the Port City Stockyards during the past month but some slow movement occurred at times when cooler supplies backed up due to higher asking prices. Cows comprised the bulk of the salable supply with a fair sized portion of these going in stocker channels. The number of fed yearlings decreased steadily as feed lots neared the empty stage. Bulls were fairly plentiful, the supply adequate for the demand. Complete clearance was affected most every day. The total salable receipts for the month amounted to about 4,900 cattle about 1,250 head more than arrived the preceding month and about 1,100 head over the number offered the period of last year. Slaughter yearlings advanced about \$1.00 during the month, slaughter cows and bulls about 50¢ higher, stocker yearlings were \$1.50-2.00 higher while cows held about steady. A few small lots of good slaughter yearlings sold from \$21.00-23.00, standard from \$18.00-20.00 and cutter and utility from \$14.00-18.00. Utility slaughter cows went from \$12.00-13.00 with commercial to \$14.00, a few heifer type standard to \$16.00. Canner and cutter cows sold \$10.00-12.00, shelly canners down to \$8.00. Cutter and utility bulls ranged from \$13.00-15.00, some high-yielding kind to \$15.50-15.75. Common and medium stocker yearling steers sold from \$13.00-17.00, common and medium stock cows from \$10.50-11.50, several lots of common cows with calves by side from \$108.00-112.50 per pair.

NEW ORLEANS Receipts were light on the New Orleans Stock Yards for the period under review. Trading was generally active during the month, with supplies of all classes moving off very well each day. Bulk of unloads consisted mostly of slaughter material, with the quality of offerings mostly in the medium class, with relatively few grading good and better.

With light receipts and good buyer demand all month prices worked higher and closed anywhere from \$1 to \$2 higher for the month.

The calf market was extremely active. With a limited supply of good and choice kinds prices held strong and closed out \$1 higher for the month. Cows were active and held steady to 50¢ higher. Commercials were in very limited supply this month. Bulls were in good demand and closed at about \$1 higher. Stocker cattle were very active during the month. Good quality stock, however, was scarce. Hogs were in light supply but were active and steady.

A special feature this month was our Spring sheep sale. Approximately 1,400 sheep were on hand and all closed out very satisfactorily to all concerned.

Good to choice calves sold from \$21-\$23; commercials \$18-\$20; utilities from \$15-\$17; and culs \$12-\$14.

Commercial cows brought \$13-\$14; utilities \$11-\$12; cutters \$9-\$10 and canners \$7-\$8.

Best bulls sold \$14-\$14.50; utilities \$12-\$13; cutters \$10-\$11.

Good to choice slaughter steers sold \$18-\$22; commercials \$16-\$17; and utilities \$14-\$15.

Good to choice slaughter heifers sold

All progressive cattlemen read

The Cattlemen

\$18-\$22; commercials \$16-\$17; and utilities \$13-\$15.

Good stocker steers brought \$15-\$16; common and medium \$13-\$14; stocker heifers ranged from \$12-\$14.

Texas Hereford Round-Up Sale

FOUR hundred cattle from the herds of some 50 Texas Hereford breeders sold at prices somewhat higher than those paid at the same sale last year at the Texas Hereford Association's annual Round-Up sale held in Fort Worth April 15. Many of the cattle were young and none was highly fitted.

The bull offering was topped at \$700 for 88 Zato Heir 77, a two-year-old son of TR Zato Heir 88 consigned by Ard E. Richardson of San Antonio. He sold to Dr. Glen Brown of Tyler, Texas.

Several of the older bulls sold in the \$400 to \$600 bracket. Two ranchers from Chihuahua, Mexico purchased 21 of the younger bulls and Albert Tadlock of Fort Worth, E. M. Huggins of Fulshear and W. A. Conner of Dayton were among the major buyers of bulls. The better females sold from \$250 to \$300.

Walter Britten and Gene Watson sold the cattle.

Texas Polled Hereford Breeders Reelect Carl Sheffield

CARL SHEFFIELD, Brookesmith, was reelected president of the Brown County Polled Hereford Association at its annual meeting held in Brownwood April 13. Also reelected were N. M. Barnett, Melvin; vice-president; J. W. Vance, Coleman, secretary; and Sam Swann, Merkel, and Joe Dan Weedon, Grosvenor, directors.

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Range News of the Southwest



Cattle Sales and Prices

Where sex is not given on sale, excepting calves, the reference is to steers. As "The Cattleman" goes to press several days before date of release, range conditions may have changed since these reports were made.

AMARILLO

Ross Rentfro, Amarillo, sold 120 one and two-year-old heifers to Amarillo Packing Co., Amarillo; 239 yearling heifers to Martin Denke, LaSalle, Colo.; 308 yearling steers to Bob Hulett, Amarillo.

W. S. and Joe Montgomery, Clarendon, sold 156 yearling steers and heifers to Newby & Sons, Plattsburg, Mo.

Bob Hulett, Amarillo, sold 39 yearling steers and heifers to Goldring Packing Co., Los Angeles, Calif.; and 40 yearling heifers to Glenn Ott and Fred Winzler, Madison, Kans.

D. I. Barnett, Amarillo, sold 87 yearling steers to K. LaFon, Amarillo.

D. K. McGeehee, Wayside, sold 45 yearling heifers to Ike Rowand, Montgomery, Ill.

Rentfro & Thomas, Amarillo & Dumas, sold 222 yearling heifers to Amarillo Packing Co., Amarillo.

W. H. Kimble, Amarillo, sold 47 yearling steers to Montford Feed Yards, Greeley Junction, Colo.

Eldon Plunk, Amarillo, sold 78 yearling steers to Nebraska & Colorado L. S. Co., Monticello, Iowa.

T. L. Roach & Son, Amarillo, sold 146 yearling heifers to W. Berryhill, Pringle, Colo.

Joe Wells and John Sawyers, Amarillo, sold 70 yearling steers to J. L. Taylor, Cambridge, Kans.; and 71 yearling steers to W. C. Richardson, Cambridge, Kans.

Grady Sheppard, Hale Center, sold 133 yearling steers to J. L. Taylor, Cambridge, Kans.

W. T. Smoot, Amarillo, sold 155 yearling heifers to Martin Denke, LaSalle, Colo.

H. B. Fain, Amarillo, sold 150 yearling heifers to Raymond Pope, Vinita, Okla.

C. C. Wimberley, Vega, sold 106 cows and calves to Will Eakin, Pacific, Mo.

Trujillo Cattle Co., Channing, sold 1,349 yearling steers to Burns, O'Connor & Skinner, Lexington, Nebr.; 601 yearling heifers to Agricultural Land & Inv. Corp., South Charleston, Ohio; and shipped 327 yearling steers and 123



yearling heifers to Sterling, Colo., to grass.

W. Jenkins, Hereford, sold 81 yearling steers to J. L. Brennan Co., Kirkland, Ill.

Pittman and McWhorter, Hereford, sold 446 yearling heifers to Banco Nacional De Crédito, Nogales, S. A. Mexico.

J. R. Yell, Dumas, sold 81 yearling steers to E. B. Graham, Emmett, Kans.; and 108 yearling heifers to Anton Winter, Wisner, Nebr.

Eldon Lebsack, Sterling, Colo., bought 312 yearling heifers from Sam Lasley, Dumas; and 65 from Floyd Blackburn, Dumas.

I. W. Frantz, Hartley, sold 175 yearling heifers to Dick Silverberg, Fort Morgan, Colo.

The range is in pretty good shape but we need more rain as weeds and grass are just getting started good after one of the worst storms we have had since 1918. The cattle loss from this storm hasn't been determined yet and some cattle are still dying from the effects of the storm.

Steer calves are selling 20c to 24½c; heifer calves, 19c to 21c; two and three-year-old heifers, 15c to 18c; dry cows, 10c to 13c; cows with calves, \$120 to \$175; yearling steers, 17c to 20c; twos, 16c to 18c; threes and up, 14c to 17c.—N. B. Albright.

BENJAMIN

We have had some local rains over this country since last report but not enough to break the drouth and if we don't get more rain soon the grain crop will be short. There are some weeds and

wild rye on the range and cattle are doing fairly well, but we will have to have lots of rain to make much grass as the turf is almost gone on the pastures. Most of the cattle have been contracted for spring delivery, however, there were very few wintered in this country. Prices have been steady to strong.—Chas. Moorhouse.

BUDA

J. F. Webb, Luling, sold 228 three and four-year-old plain steers to Franklin Jackson, Groesbeck. These cattle were loaded at Batesville and were put on the lush bottoms near Groesbeck.

Tom Winters, Evant, shipped 1,180 two-year-old dehorned Hereford steers to Allen and Hessdale, Kansas for grass; and bought 47 two's from J. B. Langford and 27 two's from Cloud & Mayse, Lamplas, which were shipped to Kansas.

Marvin Porter & Tom Winters, shipped 365 Hereford steers to Kansas grass. These cattle were bought in Mexico last fall and wintered on the Goodrich ranch in Burnet county.

We had another general rain on April 19th, this makes 15 inches for the Austin country since January 1st. This rain has insured the oat crop, which is an unusually large one. Stocker cattle are stronger here than they have been since 1952. We have a fine weed crop and cattle are making fast gains on weeds and clover. There has been a very small death loss from clover this spring.—A. B. Strickland.

CANADIAN

Odell Ryan, Perryton, sold 419 two-year-old steers to Weisbart Cattle Co., Denver, Colo.

Bob and Dean Cluck, Gruver, sold 108 two-year-old steers to Orville Minerh, Stockton, Iowa.

Emil Knutson, Gruver, sold 254 two-year-old steers to Sheldon Ripson, Grand, Iowa.

We have had a severe snow storm over the Panhandle of Texas and Oklahoma since last report and there was a heavy death loss in livestock. We have had a little better than half of our rainfall to date. Wheat is in very good shape. Prices on most all classes of cattle continue to advance, especially on stocker cattle. Have no report of any cattle being con-

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The Cattlemen

tracted. There have been some shipments to northern feeders.—Jack H. Mims.

CLARENDON

The demand for cattle has been good, with not many offered for sale.

We have had very good moisture but the grass is slow in coming—maybe the ground is still cold.—A. T. Jefferies.

GLADEWATER

This section of the state is in good condition since the general rains we have had for the past two months. Due to these good rains and with the pasture not being overstocked, most of the grazing land is in very good condition. There is a good demand for all classes of cattle. About the average number of cattle are being sold through the local sales.—T. O. Tinsley.

QUITAQUE

There were no cattle deliveries this month but the prices at the sales rings seem to be a little better each week. This country has had general rains since last report.—Maynard Wilson.

SWEENEY

Herman Booth, Manvel, sold 50 cross-bred cows and 15 calves to Todd Furnace, Manvel.

Several large sales have taken place in the country in the past few weeks. Prices vary due to condition of cattle. We have had plenty of rain and cattle are doing fine. Prices are up at this time.—Leonard Stiles.

TAHOKA

The range is in better shape than it has been for the past four years. Very few cattle are selling except through sales rings. A few calves are being bought for fall delivery. There is a good demand for good cows and calves but there are not many to be had.

Steer calves are selling 21c to 22c; heifer calves, 18c to 19c; dry cows, \$90 to \$110; cows with calves, \$125 to \$140; yearling steers, 18c to 20c.—B. L. Parker.

Cattle Feeders Day At Texas Tech May 7

THE Annual Cattle Feeders Day program has been scheduled at Texas Technological College on May 7, according to an announcement from Dr. W. L. Stangel, Dean of Agriculture.

The livestock event will feature results of a feeding experiment conducted to provide information which will decrease the costs of cattle feeding, enabling cattlemen to solve the squeeze between rising costs and lower sales prices. Dean Stangel points out that this experimental work gives practical application to recent developments in the field of scientific cattle nutrition studies. Factors investigated in the experiment include stilbestrol, aureomycin, combination of stilbestrol and aureomycin, ground cottonseed hulls, and pelleted cottonseed hulls. This study has been supported by the Texas Cottonseed Crushers Association. Research on wintering rations for breeding beef cows will also be reported.

In addition to observing experimental work conducted at Texas Technological College, cattlemen will be given reports of important recent cattle research at the Spur Experiment Station by Paul T. Marion, Dr. L. S. Pope, widely known cattle nutrition authority at Oklahoma A. & M. College, will discuss cattle research which has been conducted at that experiment station. Information on beef consumption trends and outlook will be covered in an address by R. B. Elling, Director of Industrial Relations for the National Livestock and Meat Board.

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FEED efficiency for beef cattle was improved by each increase in the amount of Dynafac included in the ration, and rate of gain was boosted by all but the lowest of four experimental levels. These test results with Dynafac, a feed additive made from fatty acid derivatives, are based on a 109-day trial with 50 yearling steers conducted by Armour and Company, manufacturer of the product.

The cost per hundred-weight of gain for the 10 control steers (no Dynafac) was \$22.79. For the four Dynafac lots of 10 steers each, the daily dosage rate and cost per hundred-weight of gain was as follows: $\frac{1}{2}$ gram, \$22.12; 1 gram, \$21.12; $1\frac{1}{2}$ grams, \$20.29; 2 grams, \$18.64. A feed saving of \$4.15 per hundred-weight of gain was made with the steers getting 2 grams.

Rate of daily gain for the controls averaged 2.38 pounds per head. This gain compares with the four Dynafac lots, as follows: $\frac{1}{2}$ gram, 2.36 pounds; 1 gram, 2.65 pounds; $1\frac{1}{2}$ grams, 2.92 pounds; and 2 grams, 3.13 pounds.

The ration consisted of corn, alfalfa meal and molasses. All carcasses from these test steers graded Choice.

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Cattle News

OMAHA

By HART JORGENSEN

Hart Jorgensen, Executive Director of the Livestock Foundation of Omaha, is personally known to thousands of Corn Belt and Western livestock growers and feeders through his market broadcasts, and talks before various livestock grower and feeder groups.—The Editor.

In keeping with the Spring season, there's new zest and verve about the cattle market in these parts. Through the winter, moisture was short and much of the time it was nip and tuck so far as keeping the price level on slaughter cattle above that of a year earlier. But then the market got better and the weather got wetter. Substantial snow and rain combined to put a deep dent in the drouth, and along about the latter part of April fat cattle trade was rolling along at a price pace that ranged from \$2.50 to \$3.00 above a year earlier. In fact, the tempo was such that the USDA's mid-month estimate of 4 per cent more cattle on feed as of April 1 than a year earlier, created virtually no stir whatever. Feeder buyers time after time outbid packer buyers on two-way cattle by as much as a dollar. Commission men generally agreed there was basis for at least conservative optimism about the fat cattle market; most felt it would hold up well through the summer and some thought even into the fall. Others took the view that last fall's heavy outgo of calves and light stockers might result in enough of an increase in receipts of slaughter cattle this fall to take some edge off trade. A number of market men also pointed out that heavy slaughter steers again were in solid position and predicted that if the tablebacks held that sort of favor into the fall months, that big feeder steers would follow suit, might even sell as well as last fall. Last season, briskly-selling heavy feeder steers confounded not a few prognosticators; and in some instances also confounded those who acquired them.

KANSAS CITY

By DON EVANS

ALL classes of cattle moved up on the Kansas City market during the last half of March and the first three weeks of April. Lightweight prime steers moved up 75 cents to \$1 a hundred to a nominal top of \$26 while heavy prime cattle gained an even dollar.

Lightweight choice cattle gained 75 cents to \$1.25 with the best selling at \$24.25. Good grades gained \$1 to \$1.25, selling up to \$22.25.

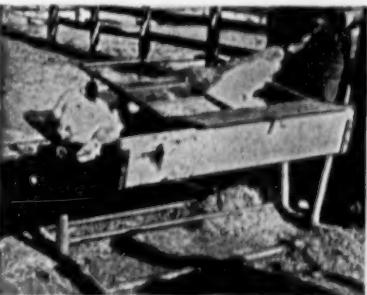
The top on prime heifers moved up an even dollar to \$24.50, while the best choice heifers moved up to \$23.50, a gain of \$1.50. Slaughter cows gained half a dollar to top at \$15.50. Bulls had the same top, a 50-cent gain.

Stocker and feeders, in short supply

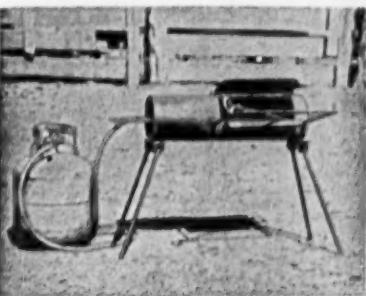
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all along, moved up 50 cents to \$1, with the best lightweight yearlings selling up to \$24. Best stock heifers topped at \$21.50.

Southwestern cattle already have started moving into bluestem pastures in the Kansas Flint hills area and moisture-wise pastures are in the best condition in years. Cool weather has retarded starting of the grass, however.

Around 75 per cent of the pastures had been rented by April 1 with prices standing about where they did a year ago. The price for grazing a big steer for the season generally is \$20.

Generally pastures which have not rented are those which did not have adequate water supplies early and owners were reluctant to lease until they had water supplies or prospective renters were not willing to take them without a guarantee of adequate water supplies. Now many ponds are full and nearly all ponds have a good supply of water.

It seems certain that there will be a huge demand for thin cattle in Kansas this fall if there is a decent growing season. There will be a milo stubble to graze, big supplies of silage and other feed. Good enough rains to make wheat pasture would enhance the demand.

With all their confidence in a good season ahead, cattlemen in the western part of the state are doubtful if the Southwest, their traditional source of stocker cattle, can supply their needs. There already have been numerous scouting trips to Nebraska, the Dakotas, Wyoming and Montana to line up possible sources of cattle to eat feed which has not yet been planted.

OKLAHOMA CITY

By HOOT ELIJAH

Fat cattle, stockers and feeders, cows and bulls, and slaughter calves all worked upward with strong daily demand, and generally steady to a strong market day after day.

High choice steers and heifers yielding 63% are today, April 19, quotable at \$23.50 to \$24.00. Good and choice heifers and mixed yearlings sold from \$20.00 to \$22.00.

Bulk of utility and commercial cows sold from \$12.50 to \$15.00 with a few high commercial heifer type cows up to \$15.50. Canner and cutter cows sold

readily at \$10.00 to \$12.00 with shelly canners down to \$9.00. Commercial bulls sold from \$14.25 to \$15.25. With a lot of bull orders competing actively for the few heavy bologna lean type bulls available.

Stockers and feeders presented a bright picture with order buyers, farmers, and nearly everyone looking for something they think will go back to the country and work since continued wide-spread rains makes grass and grass prospects good.

A few fancy selected 300 lb. steers and heifers earned \$26.00. Stocker and feeder calves of good to choice quality are usually going back to the country from \$19.00 to \$22.50. Choice yearling stock steers are bringing \$21.50 to \$22.00. Medium grade stock and feeder steers sold readily from \$16.00 to \$18.50. Stock heifer calves sold from \$18.50 to \$19.00. Medium and good stock cows brought from \$10.50 to \$12.50. Much demand for pairs of well bred light weight young cattle. Top veals sold from \$21.00 to \$23.00 for 160 to 240 lb. milk fat and showing bloom with glossy hair coats.

FORT SMITH, ARK.-OKLA.

By G. SHINN

Slaughter cattle prices have continued to rise during the past month. Slaughter steers and heifers sold from \$1.00 to \$2.00 higher. Standard and good selling at \$16 to \$21. A load of good and choice around 650 lbs. sold at \$21.50.

Cows were steady to 50c higher, advance on canners and cutters. Utility and commercial cows cleared at \$12.50 to \$14.00, canners and cutters from \$10.50 to \$12.50, shelly canners \$9 to \$10.

Bulls sold up to \$1.00 higher. Utility and commercial selling at \$14 to \$15.50, canners and cutters from \$12 to \$13.50.

The vealer price decline was from \$2.00 to \$3.00 lower. Most decline on good and better offerings. Good and choice selling at \$16 to \$21, few high choice from \$22 to \$23, utility and standard clearing at \$12 to \$15.50.

Slaughter calves advanced \$1.00 to \$2.00 higher. Good slaughter calves up to 500 lbs. sold from \$16 to \$20, a few choice up to \$21. Utility and standard ranged from \$12 to \$15.50.

Stockers and feeders were steady. Common and medium stocker and feeder

steers sold from \$16 to \$17.50, with good selling up to \$18.50. Some small lots of choice around 525 to 550 lbs. feeder steers sold at \$20.00. Common and medium stocker and feeder heifers cleared at \$15 to \$16.50. A load of good and choice around 550 lbs. feeder heifers sold at \$18. Medium and good stock steer calves sold from \$17 to \$18.50, good and choice selling from \$19 to \$20. A part load of high choice 429-lb. stock steer calves at \$22. Common and medium stock heifer calves sold from \$16 to \$17.50. A few small consignments of good stock heifer calves selling at \$18.

Shorthorn Secretary Resigns

FOLLOWING a meeting of the Board of Directors of the American Shorthorn Breeders' Association, at Chicago, April 23, Allan C. Atlasson stated that his services as Association Secretary would terminate as of June 1, or as soon thereafter as his successor could be employed.

Atlasson came to the Association in 1952, after serving as manager of Thomas E. Wilson's Edellyn Farms, Wilson, Ill., for 14 years.

Mid-North Texas Hereford Field Day May 18

THE Mid-North Texas Hereford Association will sponsor a field day

May 18. The tour, which will cover several Hereford ranches in the area, will begin at 9 a. m. at the Swatzell Lazy 7 Ranch just south of Cleburne.

On April 27 the association held a show at Cleburne, M. O. Andrews of Fort Worth had the champion bull, MO Zato Heir 4th, and W. R. Gollihar of Whitney had the reserve champion, Prince Mesa. No females were shown.

A feature of the show was a prize of \$100 for the sorriest bull with the provision that the animal was to be sold for slaughter after being named winner. This class was for educational purposes, according to association president Mrs. C. H. Bertram of Fort Worth, with the aim in mind of getting rid of inferior breeding animals.

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SGBI Holds Sixth Annual Meeting In San Antonio

JOHN B. ARMSTRONG, owner of Day's Bend Ranch at Selma, Ala., was elected president of Santa Gertrudis Breeders International at the Association's sixth annual membership meeting held in San Antonio, April 12.

Succeeding R. W. Briggs, Sr., as president, Armstrong is the fifth president the organization has elected since its charter in 1951. His herd of purebred Santa Gertrudis was established in 1949.

Other officers elected by the convention delegates were Vachel Lackey of San Antonio, Texas, as vice-president; Walter W. Cardwell, Jr. of Lockhart, Texas, as secretary, and Ben F. Vaughan, Jr. of Corpus Christi, Texas, as treasurer. Directors were elected to fill four expiring terms. These were: Sumner Pingree, Jr., Central Ermita, Oriente, Cuba; R. W. Briggs, Sr., San Antonio, Texas; John Martin, Sr., Alice, Texas, and Gen. John M. Bennett, Jr., San Antonio. Holdover directors are Richard M. Kleberg, Jr., Kingsville, Texas; W. W. Callan, Waco, Texas; Walter Cardwell, Sr., Luling, Texas; Dolph Briscoe, Jr., Uvalde, Texas; Enrique Lievano R., Bogota, Colombia, S. A.; Sterling Evans, Houston, Texas, and Charles Dempsey, Sarasota, Fla.

An honorary membership was unanimously voted to Albert O. Rhoad, King Ranch geneticist, who was instrumental in the early development of the Association.

Featured speaker of the meeting was Robert J. Kleberg, Jr., president of the King Ranch, where the Santa Gertrudis Breed of beef cattle was originated and developed. Speaking on the past, present and future of the breed, Kleberg praised the Association for its many accomplishments since it was organized.

Kleberg lauded SGBI on its program of classification, and urged it to remain ever aware of the necessity of inspecting all individual animals presented for classification, regardless of the animal's pedigree. He emphasized too, that many of the breeders now getting into the Santa Gertrudis business are obtaining good foundation stock on both the bull and cow side of their program, and that this is indicative of continued rapid strides toward more quality cattle.

Kleberg also urged the breeders to continue their interest in performance testing. He explained that the long periods of selection in the early years of development is paying off because the Santa Gertrudis is today recognized as a fast gaining, efficient, beef producing machine.

R. P. Marshall, SGBI executive secretary, in making his annual report, explained that in spite of continued drought in many parts of the world, SGBI membership has continued to rise and that the Association now has 632 members. He remarked that to date a total of 67,366 Santa Gertrudis have been presented for classification in 27 states and four foreign countries.

PanTech Farms Hold Annual Field Day and Sale

SUMMARY

125 Bulls \$38,225; Avg. \$306

PANTECH Farms conducted their Seventh Annual Field Day April 4 at the farm near Panhandle, Texas. The program was centered around the PanTech bull progeny tests and the results of a 112-day feed test in which 125 Hereford and Angus bulls were fed equal rations to determine the rate of gain each bull recorded.

The morning was devoted to inspection of the test bulls and a number of talks on the subject of performance testing of cattle. Dean W. L. Stangel, head of the Animal Husbandry Department, Texas Tech College, Lubbock, welcomed the visitors and introduced guests. He was followed by L. A. Maddux, Jr., Extension Animal Husbandman, who commented on "Beef Cattle Performance Testing in Texas."

Dr. C. M. Kincaid, Southern Regional Coordinator, Beef Cattle Research, talked on "Performance Testing in America." J. P. Smith, member of the Texas Tech staff and manager of the PanTech farms, reviewed the "1956-57 PanTech Bull Progeny Test." George F. Ellis, Jr., Assistant Animal Husbandman, Texas Agricultural Experiment Station, outlined the "Proposed Beef Cattle Selection Project at PanTech Farms."

Following the program, the 125 bulls that had completed their feed test were sold at auction for an average of \$306. The top selling bull was HHR Zato Heir

114c, a Dec. 1955 bull consigned by R. H. Holland & Son, Perryton, that was the record high gaining animal in the test. He sold for \$1,500 to Max Blau, Follett, and PanTech Farms. The second top bull was a Blau consignment out of the winning pen of bulls that sold for \$1,050 to N. T. Johnson, Amarillo.

Walter Britten, College Station, was the auctioneer.

Cattlelog

J. W. Winkel, Polled Hereford breeder of Llano, Texas, reports that recent rains have greatly improved pasture conditions and that sales are picking up. Winkel's Polled Hereford Ranch sold one herd bull, Domestic W 26 to R. A. Largent & Son, McKinney, Texas; one herd bull prospect, Domestic W 206 to Gainer Bros., Percy, Miss.; and one herd bull prospect, Domestic W 88 and a show heifer calf to Reynolds & Sons, Goldthwaite, Texas. All of these animals were by the Winkel herd bull, WPHR Domestic Woodrow, except the "206th," he by the "26th." Other sales included three range bulls—one to H. Dudley Lewis, Bertram, Texas; one to Joe Pavelka, Thrall, Texas; and one to Paul Bergmann, Fredericksburg, Texas. B. L. and J. L. Bradley, Circle J Ranch, Groesbeck, Texas, bought 12 heifers.

W. R. Watt, Sr., and sons, W. R. Watt, Jr. and Tom Watt, recently purchased the herd of Registered Herefords and leased the ranch of Northwoods Stock Farm owned by the late J. M. North. North established the herd a number of years ago and it is one of the better known Hereford herds in the Fort Worth area. The ranch will be operated by W. R. Watt, Jr., as manager.

R. M. Hall, formerly with McNatt Hereford Ranch at Greenville, Texas, has accepted a position as manager of the Jack Frost Eskimo Ranch at Hereford, Texas, and will be in charge of the entire operation of that important division of the Jack Frost Hereford setup. Hall is well known in Hereford circles. He was with McNatt Hereford Ranch about nine years; previous to that he was with Naud Burnett Hereford Farms at Greenville, and also with Lee Tuttle at Dallas.

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LIVESTOCK CALENDAR

HEREFORD SALES

May 2—Commercial Stocker Cow Sale, Union Stockyards, San Antonio, Texas.
 May 19—Stocker-Feeder Sale, Fort Worth.
 May 20—Crutcher-Wilmut Partnership Disp. Sale, Fort Worth, Texas.
 May 27—Gilloff Ranch, Tallulah, La.
 June 1—H. C. Spinks Farm, Paris, Tenn.
 June 4—Hill Country Hereford Female Sale, Mason, Texas.
 June 7—Stocker-Feeder Sale, Fort Worth.
 July 11—Commercial Stocker-Feeder, Union Stockyards, San Antonio, Texas.
 July 19—Stocker-Feeder Sale, Fort Worth.
 Aug. 16—Stocker-Feeder Sale, Fort Worth.
 Aug. 20—Concho Hereford Stocker-Feeder Calf Sale, San Angelo.

Sept. 5—Commercial Stocker-Feeder, Union Stockyards, San Antonio, Texas.
 Sept. 12—Stocker-Feeder Sale, Fort Worth.
 Oct. 11—Stocker-Feeder Sale, Fort Worth.
 Oct. 11—Wyoming Hereford Ranch, Cheyenne, Wyo.

Oct. 14—Thorp Hereford Farms, Britton, S. D.
 Oct. 24—Commercial Hereford Stocker-Feeder, Union Stockyards, San Antonio, Texas.

Oct. 28—Delford Ranch, El Dorado, Kans.
 Oct. 29—South Texas Hereford Assn., Beeville, Texas.

Nov. 5—Windsor Place, Boonville, Mo.
 Nov. 11—Bianchi & Sanford, Macon, Mo.
 Nov. 18—Magic Empire Range Bull Sale, Pawhuska, Okla.

Nov. 25—Par-Ker Ranch, Chelsea, Okla.
 Dec. 2—National Anxiety Hereford Br. Assn., Amarillo, Texas.

Dec. 2—C K Ranch, Brookville, Kans.
 Dec. 3—Northern Oklahoma Hereford Assn., Perry, Okla.

Dec. 5—Capital Area Hereford Assn., City Coliseum, Austin, Texas.
 Dec. 6—Texas-Oklahoma Hereford Br., Wichita Falls, Texas.

Dec. 16—Bridwell Hereford Ranch, Wichita Falls, Texas.

POLLED HEREFORD SALES

May 25—Buck Sullivan Polled Dispersion, Crockett, Texas.
 July 6—O'Bryan Ranch, Hiattville, Kans.
 Oct. 7—Panola-Tate Hereford Calf Sale, Senatobia, Miss.
 Oct. 12—O'Bryan Ranch, Hiattville, Kans.
 Oct. 18—R. D. Cravens, Oklahoma City, Okla.

ANGUS SALES

May 2—Commercial Angus Stocker Cow, Union Stockyards, San Antonio, Texas.
 May 8—Tucker-Porter Production Sale, Del Valle, Texas.
 May 10—Commercial Cow Sale, Fort Worth Stockyards, Fort Worth, Texas.
 May 11—C-T Ranch Production Sale, Miami, Okla.

MAY 1957							JUNE 1957							JULY 1957							AUGUST 1957							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	F	S		
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SEPTEMBER 1957							OCTOBER 1957							NOVEMBER 1957							DECEMBER 1957								
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JANUARY 1958							FEBRUARY 1958							MARCH 1958							APRIL 1958											
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May 25—Gulf Coast Angus Assn. Fitted Sale, Brookshire, Texas.
 May 27—Texas Angus Assn. 13th Annual Distribution Sale, San Angelo, Texas.
 June 3—Texas Angus Ass'n Roundup Sale, Tyler, Texas.
 June 6-7—Kinloch Farm Dispersal, Supply, Va.
 June 13—Commercial Angus Stocker-Feeder, Union Stockyards, San Antonio, Texas.
 June 15—Sondra-Lin Heifer Sale, Devatur, Texas.
 July 12—Stocker-Feeder Sale, Fort Worth.
 Aug. 19—Texas Angus Assn. Stocker-Feeder Calf Sale, San Angelo, Texas.
 Aug. 29—Commercial Angus Stocker-Feeder, Union Stockyards, San Antonio, Texas.
 Sept. 6—Stocker-Feeder Sale—Fort Worth.

BRABHAM SALES

June 27—Commercial Crossbred Stocker-Feeder and Commercial Stocker Cow, PAZA, Union Stockyards, San Antonio, Texas.
 Aug. 15—Commercial Crossbred Stocker-Feeder, PAZA, Union Stockyards, San Antonio, Texas.
 Sept. 26—Commercial Crossbred Stocker-Feeder, PAZA, Union Stockyards, San Antonio, Texas.

HORSE SALES

May 4—Dodson-Hanks-Strode Quarter Horse Sale, Vernon, Texas.
 May 20—RS Bar Ranch, R. Q. Sutherland, Overland Park, Kans.
 June 1—H. C. Spinks Clay Co. Registered Quarter Horse Sale, Paris, Tenn.
 June 10—Indian Capital Quarter Horse Sale, Muskogee, Okla.

GENERAL

May 2—Commercial Angus Stocker Cow Show, Union Stockyards, San Antonio, Texas.
 May 2—Commercial Hereford Stocker Cow Show, Union Stockyards, San Antonio, Texas.
 May 5-9—Fair of the State of Mexico, Toluca, Mexico.

Oct. 5-13—Pan-American Livestock Exposition, State Fair of Texas, Dallas, Texas.
 Oct. 24—Commercial Hereford Stocker-Feeder Show, Union Stockyards, San Antonio, Texas.
 Jan. 24-Feb. 1, 1958—Southwestern Exposition and Fat Stock Show, Fort Worth, Texas.

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SAN ANTONIO
CA 5-2875

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Let us service your consignment to the stocker-feeder sales: San Antonio, May 2 and Fort Worth, May 10.

NCHA Holds Annual Meeting in Tucson

DELEGATES from 28 states were present at the annual meeting of the National Cutting Horse Association held in Tucson, Ariz., April 5. Marion Flynt, Midland, Texas, was re-elected president; Leon Locke, Hungerford, Texas, executive vice-president; and Paul Newton, Granada Hills, Cal., Jack Mehrens, Dermott, Ark., and Les Geddes, Rockford, Ill., regional vice-presidents. Douglas B. Mitchell, Fort Worth, was again named secretary.

Secretary Mitchell reported that the organization had grown to 1030 members during the past year with some 4230 horses competing in cutting horse contests over the country.

Members of the executive committee for the coming year in addition to the

above mentioned officers, are: Dorris L. Ballew, Natches, Miss.; Robert Q. Sutherland, Kansas City, Mo.; J. M. Frost, III, Houston, Texas; V. O. Hildreth, Sr., Aledo, Texas; B. F. Phillips, Jr., Dallas, Texas; Dr. W. H. Worrell, Houston, Texas; Bill Hale, Odessa, Texas; H. Calhoun, Cresson, Texas; Leonard Proctor, Midland, Texas and Robert F. Roberts, Tyler, Texas.

Champions at Tucson Quarter Horse Show

LIIGHTNING BAR, owned by Art Pollard, Tucson, Ariz., was named grand champion stallion of the Quarter Horse show held in conjunction with the 23rd Tucson Livestock Show last month. The reserve champion stallion was Do Dash, owned by J. Ralph Bell, Visalia, Cal.

Zorena, owned by Mrs. Rose Fulton, Dragoon, Ariz., was named grand champion mare, with reserve honors awarded Lilly Moon, owned by R. L. Haught, Marana, Ariz.

Chickasha Mike, owned by Leonard Proctor, Midland, Texas, was named champion gelding.

Texas horses dominated the cutting horse contest, with Little Tom W, owned by Phillip Williams, Tokio, Texas, and ridden by Matlock Rose, placing first; Miss Nancy Bailey, owned and ridden by Bob Burton, Arlington, Texas, was second, and Calamity Jane, owned by Burton, Ott, owned by Willis Bennett, Orange, Texas, and Skeeter Conway, owned by H. R. Burden, Ennis, Texas, were tied for third, fourth and fifth.

Seventh Annual Fort Reno Beef Cattle Field Day May 9

THE Seventh Annual Beef Cattle Field Day, scheduled to be held at the Fort Reno Experiment Station, Fort Reno, Okla., May 9, will include discussions of topics of special interest to cattlemen. Dwight F. Stephens is superintendent of the station which has been conducting experiments with various phases of the cattle industry.

Discussions on levels of winter gain and subsequent performance of beef heifers, the value of stilbestrol for creep feeding calves, progeny testing of herd sires and drawfism are some of the topics on the program.

Dr. A. E. Darlow, dean of agriculture and vice-president of Oklahoma A&M College will address the group following lunch on "Opportunities in the Beef Cattle Business Today."

Clay Potts of Oklahoma A&M College will prepare the barbecue for the noon lunch.

A tour of some of the pastures where groups of cattle used by the station in its research program may be seen will bring the program to a close.

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For sale CATTLE OILER CHAIN. Designed to use in making cattle oilers. Made to hold rolled burlap sacks snugly and firmly. Install your burlap sacks and hang chain between two posts in your pastures and feed lots. \$1.20 per foot any length F.O.B. Scott City, Kansas. Ask about quantity price in 100 feet or more. Write C. H. Murray, Scott City, Kansas.

DIAL-A-MATIC Adding Machine. Adds (up to 99,999). Subtracts! Easy, quick, accurate! \$2.00 Postpaid. M-LEES, Box 6792 (C), San Antonio, Texas.

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BRAHMANS

REGISTERED red Brahman bulls, registered gray Brahman bulls; one's to four's.—Dr. T. M. Neal, Wharton, Texas.

Pioneer Days Celebration and Rodeo May 27 - June 2

FORT WORTH . . . the Old West with all its flavor, gaiety and rowdiness will be back in vogue here for a week beginning May 27 when North Fort Worth stages its second Pioneer Days Celebration and Rodeo.

The scene of the activities will be the stockyards area with its most famous street, Exchange Avenue, dressed up as nearly as possible to resemble the old days when cowboys came to town, drank in the saloons along the street and battled each other and the packing house workers in the mud or dust of the unpaved street.

The rodeo will be staged in historic old North Side Coliseum, site of the world's first indoor rodeo. That was in 1917.

Tommy Steiner of Austin will produce the three-day rodeo which begins May 30. In order to resemble as much as possible the Old West, the frills and innovations of more modern rodeo productions have been cut out.

There'll be five main events—bronc-busting, both saddle and bareback, calf roping, steer wrestling and bull riding. A special cutting horse contest also is planned.

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PUBLISHED BY CATTLEMEN
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ANGUS—Performance tested, big, fast-growing type of pure Scotch breeding. Request folder and data. Wye Plantation, Queenstown, Maryland.

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Ranch consists of 120 acres meadow and farm land, balance good grazing land which is well watered by springs. Improvements consist of modern eight room house and rock outbuildings, R.E.A. at door. Located ten miles from Gillette on oiled highway.

Sellers will reserve one-half of all oil and mineral rights, and reserve the right to reject any or all bids. Certified check in the amount of 5% of bid must accompany bid. Additional 15% shall be paid on acceptance of bid. Additional 30% must be paid July 20, 1957. Balance will be carried on Amortized loan with interest at 5%. Sellers will furnish abstract showing clear title and possession given when terms are completed. O. S. Dickerson will show property.

Lucie H. Dickerson - - - Altamae W. Bashore

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3,200 acres, half deeded, balance 10-year state leases. Will carry 400-500 cows year round or 1,000 head through summer. Splendid grass, plenty stock water. Grade school on ranch. Price \$64,000, 29% cash, balance unusually good financing. Being sold because of accident incapacitating owner. An A-1 ranch at a very low price per animal unit.

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SOUTH DAKOTA RANCH—800 acre well improved ranch, REA, 10 miles south of Ree Heights, 160 acres alfalfa, 115 Canadian Crested Wheat Grass. Balance in native grass. Price \$32,000. Some terms. L. C. LARSON & SON, Chadron, Nebraska.

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THE CATTLEMAN INDEX

VOLUME XLIII, JUNE 1956 - MAY 1957

KEY TO ABBREVIATIONS

ABBA—American Brahman Breeders Association

Ag—August

Am—American

anee—anecdote

annl—annual

Ap—April

AQHA—American Quarter Horse Association

AQRA—American Quarter Racing Association

Assn—Association

assst—assistant

BAI—Bureau of Animal Industry

biog—biography

br—breeder(s)

CCC—Commodity Credit Corporation

cf—county fair

champ—champion

chm—chairman

com—committees

comm—commercial; commission

conv—convention

D—December

dept—department

descrip—description

dir—director(s)

dist—district

expo—exposition

ext—extension

F—February

gen—general

govt—government

hqds—headquarters

husb—husbandry

il—illustrations

inc—incorporated

insp—inspector

internat—international

intro—introduction

Ja—January

Je—June

Jy—July

lab—laboratory

la—livestock

Mr—March

My—May

N—November

natl—national

NQHBA—National Quarter Horse Breeders Association

O—October

obit—obituary

pic—picture

pix—pictures

port—portrait

pres—president

rep—representative

S—September

SGBI—Santa Gertrudis Breeders International

secre—secretary

sf—state fair

soc—society

stat—statistics

supr—supervisor

supt—superintendent

treas—treasurer

TSCRA—Texas and Southwestern Cattle Raisers Association

univ—university

US—United States

USDA—United States Department of Agriculture

vet—veterinary

sample title: HORSES

—Wild ranch horses, Florence Fenley, II, N56:43. An illustrated article entitled Wild Ranch Horses, written by Florence Fenley, will be found in *The Cattlemen* of September 1956, page 43.

ABERCROMBIE, R. H.

—pic, com on arrangements and entertainment
with annual conv TSCRA Ap57:33

ABERDEEN-ANGUS CATTLE

—my month in Scotland, K. A. Clark, II Je56:29

Masterson's Angus carry on, II Je56:30

Essar and 77 Ranch change breeding program, Tom Adams, II Je56:31

Angus cattle in Mexico, Mary W. Clarke, II Je56:32

J. P. Walker disposed of Angus Valley Farms Je56:33

Aberdeen-Angus cattle continue to show rapid strides in Texas, Flynn W. Stewart, pic Je56:38

Lowrance buys Masterson herd Ag56:157

18-year-old bull heads Aberdeen-Angus herd O56:99

Missouri, Iowa, Illinois top three Angus states N56:92

registrations show increase in 1956 N56:97

Mexican rancher buys cattle from Texas Angus brs D56:38

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